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Lancaster Farming

VOL. 10 NO. 47 | Lancaster Farming, Saturday, October 23, 1965 | $2 Per Year

SAM LONG AND HIS WIFE SANDRA shown examining the herd record book which shows an average per cow gain of $30 in return over feed cost for 1965. They attribute this increase largely to the forage analysis and feed programming service they are receiving from Penn State University. L. F. Photo

Forage Testing And Feed Programming Pay Off In Net Returns For Dairyman

When a farmer keeps records he can measure progress This is one thing Samuel Long of Manheim R4 has proven in the last year In 1963, he went under the Penn State owner-sampler testing program to get more detailed information on just what his mixed herd of grade and registered Holsteins and Jerseys was doing in dollars and cents.

Then in November of 1964 he put his herd under the Penn State-IBM forage management program To be eligible for this service he had to participate in forage testing, which is an integral part of the program Sam had been a devoted believer in the merits of soil testing for some time, so it wasn't difficult for him to be convinced that forage testing might also hold many benefits In fact, he was the first dairyman in his testing area to enroll in the plan.

Did it help? Well, he gives credit to the combination testing-feed management program for the added $30 per cow return over feed cost he received this year, and figures the $5 cost per forage sample tested is one of the best investments he ever made

Generally, he takes two samples a year, one of corn silage, one of hay. The recommended procedure for sampling silage is to let it cure for about two weeks, then

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Commission To Study Farmers' Bargaining Ills

The National Commission on Food Marketing hopes an array of witnesses at a public hearing next month will suggest some practical and imaginative ideas on how farmers can combine their efforts to improve their bargaining power in the nation's marketplace

Potentialities for strengthening farmers' bargaining leverage through their own collective endeavors, possible limitations on such efforts, and whether cooperatives need the kind of legislation that was enacted to provide for collective bargaining by

(Continued on Page 15)

Pa. Agr. Dept. To Survey State Egg Industry

A comprehensive survey of Pennsylvania's egg industry, to determine present potentials and future trends, is being made this fall by the State Department of Agriculture

The Pennsylvania Crop Reporting Service will mail survey forms November 1 to 15,000 commercial egg producers in the state. Information

(Continued on Page 4)

Best Corn Crop Since '61 Anticipated In Pa.

State farmers are harvesting their best corn crop since 1961, with this year's grain production estimated at 53.9 million bushels, according to the Pennsylvania Crop Reporting Service

The estimate, based on October 1 conditions, reflects improved crop conditions resulting from substantial rainfall since the beginning of August. Two months ago, after a severe mid-season drought, the forecast was for only 47.8 million bushels.

Last year's corn production was 47.5 million bushels. The 1963 and 1962 crops amounted to 43 million and 44 million bushels respectively.

The hay crop, however, is expected to total 3 3 million tons, slightly less than last year, and almost 300,000 tons short of the five-year average. Yield per acre is estimated at 1 55 tons

Farm Calendar

October 26 — 10 a m Lancaster County 4-H Capon Exhibit at Elk's Club, 219 N Duke St, Lancaster —6 30 p m New Holland 4-H Capon Roundup at New Holland Diner, Rt 23, New Holland

October 27 — 10a m Annual dairy cow show and sale at New Holland Sales Stables, Inc.

October 28 — 6 30 p m Junior leader awards banquet at Dutch Town and Country Inn, Paradise.

October 29 — 7 p.m. Special Fall feeder sale at Vintage Sales Stables, Paradise.

"New Farm Bill Makes Farmers Wards Of Federal Treasury", Official Tells Lanc. Farmers Assn.

Speaking at the annual banquet meeting of the Lancaster County Farmers Association, held Tuesday night at the Plain and Fancy Farm near Bird-in-Hand, an American Farm Bureau Federation official told some 225 county farmers and wives that the recently passed farm bill "gives unprecedented authority to the Secretary of Agriculture, and for all practical purposes makes farmers wards of the U. S. Treasury."

John C. Lynn, legislative director of AFBF, said the bill was the "most far-reaching piece of agricultural legislation ever passed." He suggested that future success in farming will depend to a great extent on farmers' ability to contain the power this bill grants to one man—the Secretary of Agriculture.

When farmers have to rely on the federal treasury for their net income, instead of the marketplace, Lynn said, they will find that their income will be depressed because "an urban-oriented Congress will not stand still for the continued distribution of money to farmers under the guise of adjusting production"

Lynn further warned county farmers that if prices on some of the principal agricultural commodities are artificially depressed, the ef-

(Continued on Page 6)

Conservationist Announces New "Needs" Study

A two-year study of Pennsylvania's natural resources was recently launched at Harrisburg by federal and state conservation agencies The study, State Conservationist Ivan McKeever of the U S Soil Conservation Service said, will gather information which will be used in updating the Conservation Needs Inventory which provides information used in flood prevention, soil conservation, water supply, and recreation developments in the Commonwealth

The study is under the direction of the U S. Department of Agriculture in cooperation with local, state, and other federal conservation agencies and local groups having an interest in resource development in Pennsylvania.

McKeever, who is chairman

(Continued on Page 16)

Weather Forecast

Temperatures for the five-day period, Saturday through Wednesday, are expected to average below the normal range of 64 to 42 degrees. It will be generally cool throughout with little day to day change.

Precipitation may total ¼-inch, occurring as showers over the interior early in the period, with more general rain toward the end.

JOHN C. LYNN, legislative director of the American Farm Bureau Federation and guest speaker at the Lancaster County Farmers Association annual banquet meeting, is shown talking things over with J. Robert Hess, president of the county association, following the meeting. L. F. Photo

MARKET NEWS REPORT

At Lancaster Yards

Weekly Review

October 22, 1965

CATTLE 5800· Slaughter steers 25-50 lower. Most decline on Choice, Cows mostly steady Good and Choice Bulls strong to 50c Higher. Cutter to Commercial about steady. Feeder steers steady to strong Supply included an estimated 25 percent Slaughter steers, 15 percent Cows and Bulls with the balance largely Feeder steers.

SLAUGHTER STEERS· Choice 950-1250 lbs 26 75-27 50, Choice 1200-1375 lbs 26 50-27 00, Few High Choice and Prime 1150-1300 lbs 27.-00-27 85, Part-Load Prime 1200 lbs 28 50, Mixed Good and Choice 26 00-26 75, Good 900-1200 lbs 24 50-26 25, Standard to Low Good 22 50-24 50

SLAUGHTER HEIFERS: Choice 750-950 lbs 24 00-25 -60, Good 22 00-23 50

COWS Utility 14 25-16 00, Few 16 10-16 25, Cutter 13 -00-15 00, Canner and Low Cutter 11 00-13 00

BULLS Choice 950-1175 lbs 24 00-25 25, Good 20 75-24 00, Utility and Commercial 18 75-22 00, Few 1500-1900 lbs 22 00-22 50, Cutter and Low Utility 17 00-19 00

FEEDER STEERS: Load Mixed Choice and Prime 885 lbs 26 50, Choice 700-975 lbs 24 50-26 00, Couple loads Choice 1000 lbs 24 25, Good 600-1000 lbs. 23 00-24 50, Two Loads Choice with End of Good 750 lbs $24 25, Standard 800-900 lbs 21 25-22 75, Choice 350-550 lbs 25 50-26 00, Good 435-500 lbs 23 00-24 75, Load Standard 400 lbs. 21 50

CALVES 800 Vealers active, strong to $1 00 higher Choice 35.00-38 00, Few High Choice and Prime $38 00-40 -00, Good 32.00-35 00, Standard 27 00-32 00, Utility 21.-00-26 00, Cull 18 00-22 00, with 60-85 lb Cull 15.00-18.-00, Standard and Good 240-350 lb Slaughter Calves $20 -00-24 00

HOGS 950: Barrows and gilts 50-1 00 Higher. Sows fully 50c Higher US 1-2 190-240 lbs 26 00-26 50, US 1, 200-240 lbs 26 25-26 75, few $27 00, US 1-3 190-260 lbs 25 50-26 00, US 2-3 240-270 lbs 25 00-25 50, 270-290 lbs

(Continued on Page 3)

Auction Only

October 20, 1965

CATTLE 455· Slaughter steers grading Choice 25-50 lower. Standard and Good steady to 25c lower. Cows mostly steady. Bulls steady to 25c lower.

SLAUGHTER STEERS Choice 950-1250 lbs 26 75-27 -25, Choice 1250-1375 lbs 26 50-27 00, Few High Choice 1150-1300 lbs. 27.00-27 85, Mixed Good and Choice 26 00-26 75, Good 900-1200 lbs 24 50-26 25, Standard to Low Good 22 50-24 50

SLAUGHTER HEIFERS Choice 750 920 lbs 24 00-25 60, Good 22 00 23 50.

COWS Utility 14 50-15 75, Few 16 10-16 25, Cutter 13 25-15 00, Canner and Low Cutter 11 00-12 50

BULLS Good 20 75-21 75, Individual Choice 24 25, Utility and Commercial $18 75-20 75, Cutter and Low Utility 17 00-18 75

Vintage Auction

October 19, 1965

CATTLE 561· Slaughter steers uneven. Averaged steady Cows steady to 25c Lower; least decline on Utility Not enough Bulls or Feeder steers for a market test. Supply included 40 percent Cows.

SLAUGHTER STEERS: Choice 1050-1300 lbs. 26.75-28 00, High Choice and Prime 27 75-28 75, Choice 850-1050 lbs 26 50-27 50, Mixed Good and Choice 26 00-26 75, Good 850-1150 lbs 24 50-26 25, few Low Good 24 00-24 50, Standard 23 00-24.25, Part-load 1450-1725 lbs. $20 00-22 25.

COWS. Utility 14 25-16.25, Few 16 25-16 60, Cutter 13.-00-14 75, Canner and Low Cutter 11 75-13 00

BULLS Cutter and Low Utility 16 10-17 35, Couple Good and Choice 23 00-23 85

FEEDER STEERS Part-Load Choice 900 lbs $25 50

CALVES 564 Vealers 50-1 50 higher Choice 34 50-38 50, Good 31 00-34 00, Standard 27 50-30 00, Utility 22 50-27 50, Cull 18 00-22 50, 60-80 lb Cull 16 50-18 50.

HOGS 108· Barrows and gilts Active, $1 00-1 25 higher Sows 50 higher US 1-2 195-245 lbs. Barrows and gilts 26 50-26 85, Couple US 1, 200-210 lbs. 27.50-27.60, US 1-3 190-245 lbs 25.85-26 35, Couple lots US 1-3 170-180 lbs 24 75-25 00, US 2-3 400-585 lb SOWS 20 25-21 00

SHEEP 37 Not enough of any one class to fully test trends Few Good 65-95 lb Wooled slaughter lambs 22 -00-24 50 Utility Slaughter Ewes 8 50-10 00.

New Holland Auction

October 21, 1965

CATTLE 1347: Slaughter steers mostly steady. Cows 75-1 00 Lower, Small Supply Choice Bulls fully 50c Higher, Utility to Good steady. Feeder steers weak to mostly 50c Lower, With Some sales 75c Lower. Supply included 21 percent Cows and 37 percent Feeder steers.

SLAUGHTER STEERS: Choice 950-1200 lbs 26.25-27 50, High Choice and Prime 27 50-28 35, Choice 1200-1350 lbs. 25.50-27.00, High Good to Low Choice $25 75-26 25, Good 950-1150 lbs. 24 00-26 00, Low Good 875-1000 lbs. $23.00-24.00, Standard mainly $21.00-22 50

SLAUGHTER HEIFERS· Choice 750-900 lbs. 23.85-24 35

COWS· Utility 13.25-15 00, Around 10 head $15.10-15 75, Cutter 12 00-14.25, Canner and Low Cutter 10 50-12.00

BULLS· Choice 900-1200 lbs 24 00-25 50, Three head $26 00-26 50 Good 825-1150 lbs 22.00-24 50, Utility and Commercial 19.50-21.75, with Utility to Choice 1330-1900 lbs 18 50-21.00, Low Utility 17 75-19.00.

FEEDER STEERS: Choice 600-900 lbs. 23.25-25.00, Mixed Good and Choice 600-800 lbs. 22 75-23.75, Good 20 75-22 75, Mixed Standard and Good 19.00-20.50, Standard 16.50-18.50.

CALVES 501: Vealers 50-1.50 higher, with Choice extremely scarce, few Choice Vealers $34.00-35.00, Good

(Continued on Page 3)

HOGS

October 16, 1965

Hog receipts of 145 head averaged about 50 cents higher with light-weights selling for 23 60-24 60, 180-220 lbs, 24 60-26 35; 220-240 lbs, 25 25-26 50, 240 lbs and up, 22 10-25 60

Chicago Cattle

Weekly Review

CATTLE — Receipts 25,700 compared with 22,600 last week and 29,700 a year ago; twelve market receipts 222,800 compared with 207,000 last week and 241,400 a year ago; compared with last weeks close. slaughter steers and heifers weak to 75 lower. Cows steady to strong and bulls steady In the carlot dressed meat trade, steer and heifer beef steady to 50 lower except

(Continued on Page 11)

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Kenneth E. Hershey, Sales Manager

New Holland Sales Stables, Inc.
Sale Schedule

Monday: Horse Sale . . . . . 10:00 A.M.
Tack Sale to Follow Horse Sale
Monday: Hog Sale . . . . 11:30 A.M.
Monday: Beef Cattle 2:00 P.M.
Sale Order — Bulls, Steers, Cows, Calves
Wednesday: Sale of Dairy Cattle . . . 12:30 P.M.
Thursday: Sale of Beef Cattle 12:30 P.M.
Sale Order — Bulls, Steers, Cows, Calves

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Ph. New Holland 354-2194 New Holland, Pa.

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Weekly Poultry Report

Eastern Pennsylvania And New Jersey
WEEKLY SUMMARY

LIVE HENS

Moderate to heavy offerings of light type hens cleared closely under a good demand. Marketings of older flocks increased sharply to make room for replacements. Heavy type hens moved well as demand improved. Supplies were generally adequate. Increased out-of-state purchases were noted. Prices paid at farms: Light type hens 7-8½ mostly 7½-8c; Heavy type hens 15-15½c.

TURKEYS

Offerings ample. Demand only fair and centered on small lots of hens. Prices paid at farms: Heavy type hens 23-23½c; Toms too few to report.

Fogelsville
October 12, 1965

(Prices for dock weights cents per lb. except where noted.)

Hens, light type, range 7½-9½, mostly 7½-8½; Hens, heavy type 8½-16, 11½-15½; Pullets 20-35, 30-35; Roasters 15-34½, 28½-34; Ducks 24-26, 29-35, Drakes 16-38½, 35½-38½; Turkeys, toms 23-27, 25-27; Turkeys, hens 28-31½; Rabbits 15-51,27-34, Guineas 33-53, 45-53; Pigeons (per pair) 65-1.00, 70-82½ Total coops sold 991

Eastern Shore Exchange
WEEKLY SUMMARY

Broilers and fryers live prices on the Eastern Shore Exchange averaged 15 81 cents per lb. this week, down nearly ¼-cent from last week's average.

Prices paid ranged from a high of 16.7 cents on Monday to a low of 15.1 cents on Wednesday

Sales for the week at 1,179,600 head were up by 125 thousand head over last week

Delmarva
October 22, 1965

Delmarva broilers and fryers live prices advanced nearly ¼-cent with good demand for light auction offerings. Live supply remained adequate

Ready-to-cook demand mostly fair though slow in instances. Several features planned for next week at very competitive prices.

Estimated slaughter for Friday and Saturday, 798,000 head, compared to 837,000 head last weekend.

In the 24-hours preceding market close on Friday, live broiler on-farm prices ranged from 15 5-16 cents per lb. on sales of 880,500 head

● New Holland
(Continued from Page 2)

30 00-34 00, Standard 27 50-30 00, Utility 23.50-28.50, with 90-110 lb Utility $21 00-23 50, Cull 19 00-23 00, with 60-85 lb. Cull 17.50-19.50, Good 240-300 lb. Slaughter Calves $25 50-28.50, Standard 20 00-23 00.

SHEEP 12: Insufficient volume of any one class for a market test

COWS
October 20, 1965

Receipts sold very slow this week Fresh Holsteins, 275-450, Guernseys, 150-250, other breeds, 150-250 Bulls, 115-180, heifers, 65-170.

HORSES
October 18, 1965

A barely steady trend was noted at this sale Riding horses 110-250 driving horses, 110-300, killers, 4½-5 cents per lb No mules were offered Pony mares. 30-80, geldings, 20-85

HOGS
October 18, 1965

Hogs gained 50-75 cents this week with 493 head sold Market hogs retailed for 26-25-26 75, wholesale (U. S. 1-3), 25 50-26 25, heavyweights 24-25 50 Shoats brought 14-18 75 each with 20 head sold. Sows, 20-22 50

CALVES
October 18, 1965

Calf receipts of 126 head sold steady with Choice and Prime selling for 33-36, Good and Low Choice, 31-33, Standard, 28-30 50, Common, 15-25

● Lancaster
(Continued from Page 2)

24 00-24 50 US 1-3 300-400 lb Sows $21 00-21 50, US 2-3 400-550 lb $20 50-21 00.

SHEEP 425 Wooled Slaughter lambs fully 50c Lower. Ewes steady Choice 70-100 lb Wooled Slaughter lambs $23 00-24 00, Few Lots $24-50, Good 65-90 lbs 20 50-23-00 Utility 17 00-$20 00. Cull to Choice Slaughter Ewes $6-00-10 00

Weekly New York Egg Mkt.

From Monday, October 11th to Friday, Oct. 15th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Ex Fcy. Hywts.	40		42	42	42
Fcy. Hywts.	39½		41	41	41½
Fcy Med.	35½		36½	36½	36½
No. 1 Med.	34		35½	35½	35½
Pullets	25½		27½	28½	28½
Peewees	19		21	22	22
BROWN					
Ex. Fcy. Hywts.	44½		44½-45	45	45
Fcy. Hywts.	42½		42½-43	43	43
Fcy Med.	35½		36½	36½	36½
Pullets	25½		27½	28½	28½
Peewees	19		21	22	22
MIXED					
Fcy Hywts.	39½		41	41	41½
Standards	34½		35½	35½	35½
Checks	25½		25½-26½	26½	26½

TREND Market closes the week in steady position with generally fair clearance, but no real activity except in certain lines, supplies of large generally adequate.

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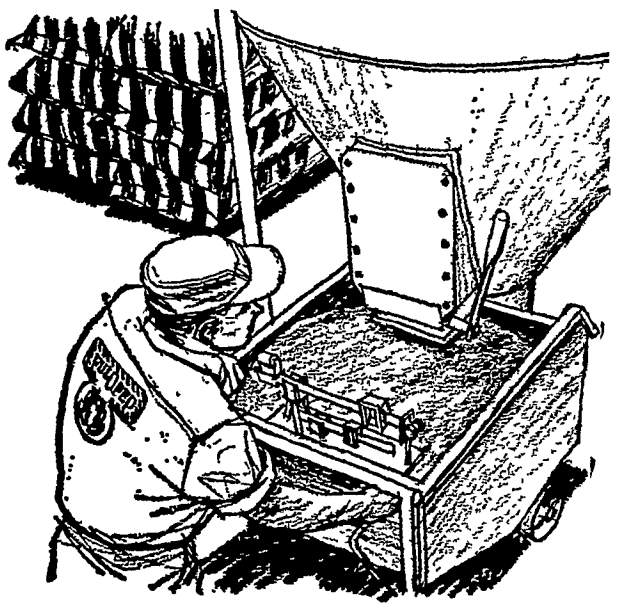

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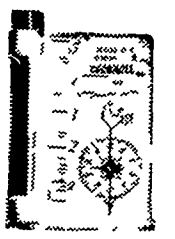

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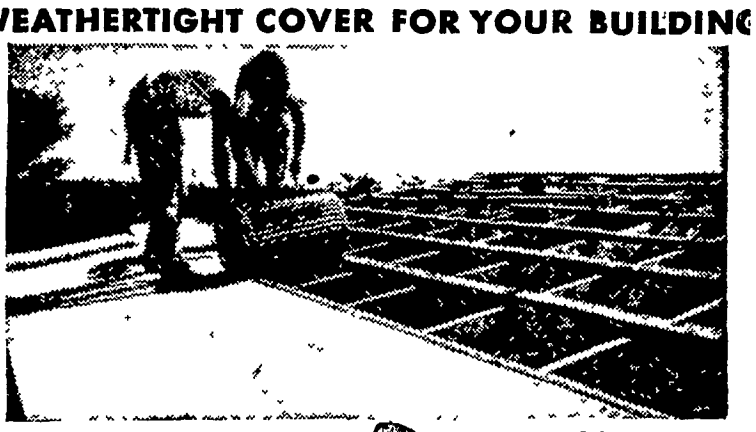

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Rent-A-Crowd Service

You can rent everything else these days, why not a crowd? The Hertz Co. with its "catapulting man" commercial would be a natural to handle this line; all they'd have to do would be change a few words of their jingle to suit the case — "Let Hertz put Youuuuu," in the protest march (on the picket line; at the demonstration; etc.).

The so-called "anti-war in Viet Nam" demonstrations over the weekend could certainly have used a few crowds. In spite of the coast-to-coast headlines they received, they actually inspired few morally-enraged comrades to turn out in support of the Viet Cong cause.

President Johnson and many others expressed concern that these demonstrations might be interpreted by the enemy as a serious internal conflict, and could delude Hanoi into prolonging the war. Since the weekend, however, the counter-attack by organizations and citizens who understand the necessity for the Viet Nam action have been an increasingly audible, clear voice. It is beginning to appear that these "anti" demonstrations were just what was needed to unite the great body of the American people behind the government's efforts in southeast Asia.

The handful of starry-eyed students, idealistic professors, and professional organizers of questionable loyalty are within their rights to express their sentiments in such demonstrations, but we wonder if they really understand the problem The problem is not Viet Nam, nor Thailand, nor Malaysia, nor any other country or group of countries. The question is simply, are we to permit communism to over-run southeast Asia — and the rest of the world — or are we going to try to contain it and let it burn itself out? The blaze of communism is not generated by spontaneous combustion; rather *it is a form of arson These arsonists are not children idly playing with matches in their own basements* They are dedicated and deadly professionals For the protection of the rest of society they must be rehabilitated, contained, or destroyed

For the first time in Asia, the United States has stopped letting the communists call the shots. For the first time we have taken the initiative, unmistakably, and once having done so we are committed to pursue this cause until complete victory, or at least a peace we can live with, is achieved.

Time is against us, and with each skirmish victory our enemy has grown stronger and bolder. But let no pacifist or communist anywhere misjudge either our conviction or our strength. At this point we have no choice but to fight aggressively if freedom, as we know it, is to persevere.

★ ★ ★ ★

"Rabbit Fever"

As the small game season approaches many hunters begin to burn with rabbit fever — fortunately not the serious variety. But once the hunting season gets under way in earnest, real rabbit fever — tularemia — is a constant threat.

The Council on Rural Health issues a warning and a few particulars on tularemia in its current Farm Health Magazine. Tularemia is a bacterial infection, but doesn't necessarily require a break in the skin to gain entrance to the body. It may enter the digestive tract through inadequately cooked meat, for example. It is called rabbit fever because of its long association with wild rabbits, but other animals can also carry it.

Symptoms of tularemia in man begin two to seven days following exposure to the organism. It comes on rapidly with chills, fever, headache, vomiting, and body pains characterizing its symptoms. Commonly, an ulcer will form at the point of entry of the germ through the skin.

Treatment of the disease is made easier with antibiotics, but even so tularemia is capable of producing prolonged illness, prostration, and even death, according to the American Medical Association.

Several preventive measures are suggested:

1 — Avoid taking animals that appear sluggish, or any found dead or brought in by a dog or cat.

2 — Clean wild game with caution — keep hands away from eyes; use rubber or plastic gloves when possible, clean hands and arms thoroughly afterwards.

3 — Discard by burning or burying any game having white or yellow spots on the liver or other viscera, or enlarged glands in the neck.

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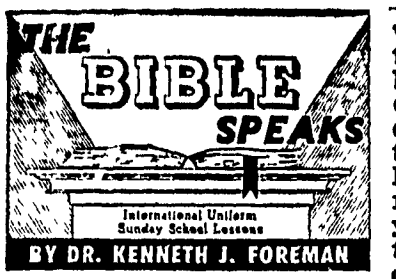
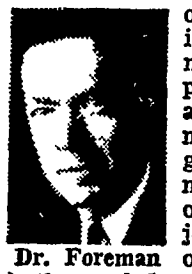


Old Age Problems

Lesson for October 24, 1965

Background Scriptures: Numbers 13:1 through 14:38; Joshua 14:6-15; 15:13-19.
Devotional Readings: Joshua 1:1-9.

Geriatrics is a word I don't remember seeing or hearing when I was young, but now everybody seems to be talking about it, from the President on down. The name may look fancy like the name of a new unheard-of disease. But it's just a new name for an old problem: Old age. Doctors and medicines have given us health much longer than our ancestors enjoyed. One result of this, of course, is the much larger proportion of older people in American society. Year by year the roll-call of persons between the ages of 65 and 100 grows longer. Two kinds of problems arise: the problems of those who care for the aged; and the problems of life as the aged themselves have to struggle with them.


Dr. Foreman

Retirement

Three of this latter class of problems meet us in the story of that Old Testament hero, Caleb. He was one of the men who reported favorably on the question, a year or two after the Israelites came out of Egypt: Shall we invade our Promised Land now, or not? The majority said No, we would only fail. Caleb and Joshua alone said, Yes: the cities are well fortified and the inhabitants look like giants, but God will be on our side if only we have the courage to start. Well, the Israelites panicked. They refused to advance. So God had to let them die one by one in the wilderness, until of all the thousands who left Egypt, only Joshua and Caleb were left alive to enter the land of Canaan. By that time Caleb was 85 years old, and he claimed to be just as strong as he had been forty years before. The question was: What could this old man do with the rest of his time on earth? He might well have retired. Instead, he kept right on going. A soldier 40 years, a soldier still. The answer to the problem: What shall I do after I retire is — Don't retire! Some one will say, But I have to retire. My pay stops at 62 or 65 or 70 or whatever the age is. This puts the problem on another footing: How shall society be organized so that even the older people can be productively active? Caleb's generation did not have to face that problem; but we do.

Strength for old age

Another problem is strength. Caleb at 85 felt fit as he had ever felt in his life. Most of us are not so fortunate at 70. Old persons are generally all too clearly aware that their strength is limited.

Younger generation

The younger generation make one of the older generation's most exasperating set of problems. So it often is, but so it need not be. One kind of older person, man or woman, sits around complaining that the young people act like young people. Another kind simply pays no attention to young people, does not know them and doesn't want to know them. They live in a world inhabited entirely by the aged. Our man Caleb belongs in neither of these classes of aged persons. From what we know of him, he kept up with the younger generation. He knew, for example, that what grumpy-type grandparents sometimes complain about as silly sentimental foolishness is really serious business: falling in love with the right person for the right reasons. So he was interested in seeing his daughter married to the right young man. He made certain the young man would be congenial in a family of fighting men, for he got her married to another soldier. He made sure also that the young son-in-law would be a brave and persistent man (how do we know this?). Best of all, he gave his daughter for a wedding present something much better than land or water; he left to youth the inspiration of a brave and generous old age.

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Calcium & Phosphorus In Hog Feeds Blamed For Poor Zinc Use

Although zinc deficiency directly causes parakeratosis, a troublesome disease with hogs, the deficiency isn't always a simple matter of not enough zinc in the diet to meet minimum nutritional requirements

Parakeratosis in hogs, which results from rare cases of mineral imbalance, causes hard scabs on the skin And, what is worse for the farmer's pocketbook — it brings about much slower gains and reduced feed efficiency

Nutritionists have known for some time that high levels of calcium or phosphorus can tie up zinc in diets containing adequate levels of this mineral Recent feeding trials with rats, conducted at Beltsville by biochemist C A Cabell, brought into sharper focus the delicate interrelationships of mineral requirements The ARS trials showed that high levels of calcium and phosphorus can independently interfere with zinc utilization by the body — but calcium poses the greater problem The worst combination is a diet that oversupplies both calcium and phosphorus

Cabell also included potassium in this study because earlier research with rats had implicated a deficiency of this element in abnormal hair growth He thought perhaps potassium deficiency might be tied to the relationship between low zinc and high calcium and phosphorus The trial, however, showed that potassium deficiency was a separate problem.

Since the physiology of rats is similar to that of hogs, these findings have significance for manufacturers of hog feed, showing more clearly than before that the rather small quantities of calcium and phosphorus required in hog rations must be measured out carefully and accurately.

Lancaster Farming

Lancaster County's Own Farm Weekly

P. O. Box 266 Lititz, Pa 17543

Offices:

22 E Main St
Lititz, Pa 17543

Phone - Lancaster
394 3047 or
Lititz 626 2191

Don Timmons, Editor

Robert G Campbell, Advertising Director

Established November 4, 1955. Published every Saturday by Lancaster Farming, Lititz, Pa

● Egg Study

(Continued from Page 1)

will be sought on production records and plans, management practices, and marketing methods.

State Agriculture Secretary Leland H Bull pointed out that results of the survey will serve "as guides for intelligent and efficient planning for the future"

The survey is important to producers, according to Dewey O Boster, statistician-in-charge of the Crop Reporting Service, because of the highly competitive nature of the industry and the changes in production and marketing that affect it "It is necessary to know where we are and where we are going," he said.

Egg production, he added, is the second most important source of income for Pennsylvania farmers, ranking next to dairying in cash returns

U. S. wheat production in 1965 is expected to reach 1 4 billion bushels, the highest since 1958, according to the U. S. Department of Agriculture.

Now Is The Time . . .

By Max Smith, Lancaster County Agent

SMITH

To House Farm Machinery

The investment in farm machinery is very high on most farms, replacement costs keep getting higher like many other things This means that machinery should be given some winter care and protection. The weather is one of the greatest enemies of machinery with the moisture causing rust and shortening the life of the equipment Gears should be greased, broken parts replaced, and all pieces put under cover to prevent rust.

To Segregate Shipped Cattle

The importance of separating newly purchased cattle from acclimated cattle cannot be too strongly emphasized. Many feeders are running too great a risk by mixing these groups of cattle; some are currently having trouble. Do not permit them to come into contact with each other, or eat or drink from the same place, for at least three weeks after arrival

To Expect Needle Drop on Evergreens . Don't worry if some of your evergreens have dropped or are dropping needles, the older needles are usually closest to the trunk and the ones that are dropped in the fall and early winter The younger needles are at the ends of the branches and should not be dropping. The shedding of the old needles is nature at work and should not be of any concern A thorough soaking of the root zone area in young evergreens just before freezing weather arrives is a good practice against winter killing

To Plan for 1966 Fertilizer Program . Soil testing in the fall will give ample time to receive the recommendations and order the proper fertilizer for spring planting. Many concerns will give special prices if orders are placed and accepted before the spring rush By testing to learn of the needs of the soil for a certain crop, and by placing the fertilizer order to get reduced prices, seem like good practices to make better use of the fertilizer dollar.

Nonfat, Dry Milk Termed Best Answer For World's Hungry

Nonfat dry milk, easily available in the United States, is the best product for increasing the amount of animal proteins in the diets of one billion underfed or malnourished people of the world, stated Donald V. Josephson, head of the department of dairy science at Penn State University, during a recent meeting of the American Chemical Society in Atlantic City, N. J.

He said milk protein costs only about 23 cents per pound in the form of nonfat dry milk on the world market and contains about 36 percent protein. The product lends itself to distribution and storage conditions worldwide.

Josephson said the United States produced 2.2 billion pounds of food grade nonfat dry milk in 1964 with the ability to produce much more. And he claimed that the milk production potential of the United States has never been tested Annual production in the U S provides a surplus.

He described as "long, tedious, and monumental" any efforts to help milk-deficient nations develop current milk production, processing, and distribution systems. For adequate milk processing plants alone, one new plant would have to be built, equipped, and opened each day of the year for the next 10 years to catch up with the needs in the less-developed countries of the world.

Properly reconstituted in potable water, nonfat dry milk will meet the minimum needs for infants children, and mothers who might otherwise get little or no animal protein in the diets Josephson pointed out Such milk is also useful in blending with high-fat milk in countries struggling to develop and expand their own systems of milk production

In Europe, North America, and Oceania—where only one-fourth of the world population lives—three fourths of the world's milk is produced North Americans consume about 1 quart of milk in all its forms per person per day, while the average Asian is limited to about 1 quart every 14 days

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Mums In Bloom At Hershey

The 5,000 chrysanthemums at the Hershey Rose Gardens and Arboretum will be in magnificent bloom through October John P. Meszaros, Director of Horticulture there, announced that the 180 varieties of chrysanthemums include spoon, spider, daisy, button pompons, cushion and Harvest Giant types Effervescent yellows, dazzling whites, petulant pinks, burning bronzes and deep purple colors make up the quilt like patch work of floral beauty

This outstanding display of chrysanthemums has the short, medium and tall type of plants Flower sizes range from the button to the huge Harvest giants six to eight inches wide. Each year, dozens of new varieties become part of this colorful chrysanthemum show.

Careful selection of varieties assures a long period of bloom Early varieties extend into October when the late-flowering mums burst forth in their gay tints and shades.

October is also the month to view the peak full bloom of the 42,000 rose bushes. Intense color and increased size of the rose flowers make this fall rose bloom one of amazement Thousands upon thousands of roses join with the chrysanthemums and annuals for a breathtaking scene

The 14,000 annuals include 220 varieties and present an enchantment matched only by the chrysanthemums and roses

Pathways of plush green

(Continued on Page 11)

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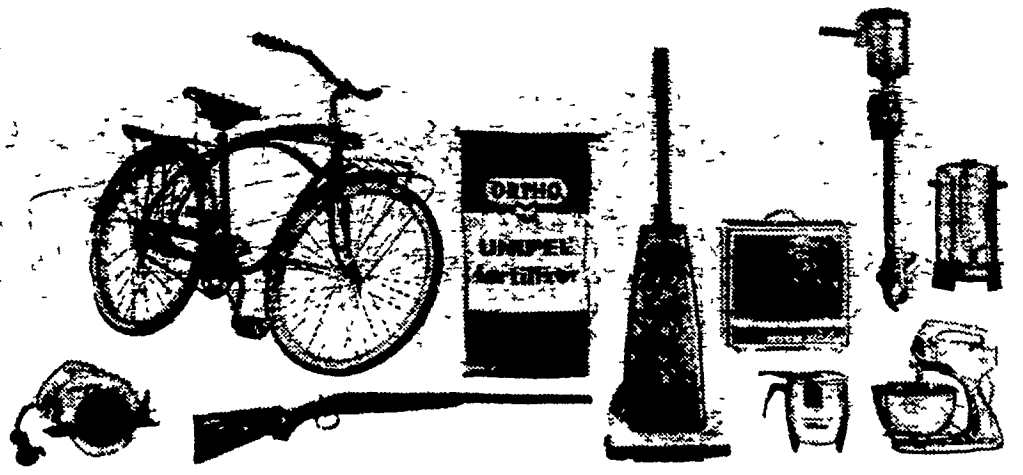

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Farmers Assn.

(Continued from Page 1)

feit will be felt in businesses dependent on agriculture, and eventually the entire economy will suffer.

He delivered a quotation which he suggested could have been made today, but which in fact he attributed to Plato, a Greek philosopher who lived 23 centuries ago—"The real destroyer of liberty is he who spreads bounties, donations and benefits among the people."

During its business session the county farmers association was told by Harold Rohrer, PFA state director, that it had topped the new membership drive made by the PFA Farm Management Service Rohrer also reported that PFA had been instrumental in getting the "water rights bill" (H.B. 1676) referred back to committee for further study because "the language was indefinite, and the power to distribute water should not be in the hands of any one body."

Clyde Wivell, county association vice-president, presented a list of 11 policies formulated by the association. The members present voted by ballot to approve these as they stood. The policies demanded retention of the Delaware Valley milk marketing area's handler pool; resolved that the county tobacco market remain free of government controls and price supports, recommended that Class 1 and 2 agricultural lands not be included in Project 70 condemnations; opposed repeal of Section 14(b) of the Taft-Hartley law; demanded lifting of transportation restrictions on U. S. wheat sold to foreign countries, condemned the use of Area Redevelopment Administration (ARA) money in agriculture — this referred to a $2.4 million ARA loan applied for by Lipman Bros of Augusta, Maine, to finance a broiler growing complex at New Castle, Pa.

Noah Wenger, chairman of the nominating committee, presented a slate of 14 nominees, seven of which were to be selected by the group as directors for 1966. Reelected to director posts were: Clyde Wivell, Donald Ney, James Wood, Clyde Buchen, James Martin, and Abram Zeiset. One new director, William A. Dean, Jr. of Strasburg R1, was named to replace retiring director J. Robert Hess.

Sam Long

(Continued from Page 1)

feed down about six feet. Samples are taken in six to eight spots and mixed. To sample hay he gets an auger from the Extension Service, attaches it to his electric drill, and draws samples from eight or ten representative bales.

These samples go to Penn State for analysis. In addition, Long sends them a complete inventory of his grain and forage, plus his cost figures on purchased feed materials, and his present feed ration. The University then programs two rations for him —one which it recommends and his own—taking into consideration the feed materials which he has on hand. He learns how much silage and hay to feed each cow to balance his supply. This is designed to utilize what he has to best advantage. The program carries no charge. Each month when his herd records come back, the recommended amount of "short feed" is shown for each individual cow. This changes from month to month as an individual progresses through her lactation.

Long found, for one thing, that he had actually been over-feeding many of his cows, and that he could cut back to the programmed recommendations without losing production. This saving in "wasted" feed accounted for part of his added $30 return.

Some examples of individual cow increases in return over feed costs are shown by records of two animals picked at random from Long's record summary book for 1964 and 1965 lactations. Sadie, a three-year-old went from $198 in 1964 to $375 net return last year. She showed a gain in milk production of 2,629 lbs., and in fat of 126 lbs. Much of this gain may be due to her increasing maturity. Star, a six-year-old, gained 220 lbs. of milk and 64 lbs. of fat, but her return over feed cost showed a $21 increase.

At twenty-two years of age, Sam got started in farming on his own in April 1962 with the help of an FHA livestock and equipment loan. He and his wife Sandra leased the 100-acre farm on which they are now tenants, and with careful management and hard work have been able to show an increasing return each year —in spite of the three-year drought that plagued the area. The Long's are a fine example of one route that young people can follow to get into farming in these days of high land and building costs.

They are presently milking 31 cows, and raising 14 heifers. About 43 acres of corn is raised, 16 of it for silage; alfalfa accounts for 16 acres, and small grains and pasture for the balance.

Anyone arriving at the Long farm is likely to be greeted by four, big brown eyes at about car-window-level. These belong to two St. Bernard dogs which represent a sideline enterprise the Longs are finding unexpectedly profitable. They are also finding that the St. Bernard's are exceptionally good companions for the three pre-school-age Long children.

Advisory Committee Has Annual Meeting

Growing problems of water quality and quantity throughout the country underscore the urgency of continued emphasis on soil and water conservation, the U. S. Department of Agriculture's Public Advisory Committee on Soil and Water Conservation declared in its annual meeting last week.

Committee members pointed out that recurrent water shortages as well as floods are stimulating rapid construction of dams and storage reservoirs. The Committee considered a proposal that treatment of land above dams to prevent their premature loss through siltation be required part of the planning and financing of all water development projects. (This suggestion was made earlier this year by Lanc. County SWCD Directors to the city of Lancaster regarding the latter's proposed dam on Conestoga Creek.)

Similarly, the role of soil conservation in reducing flood damage, in enhancing natural beauty, in providing improved outdoor recreation, in orderly development of non-agricultural lands, and in combating rural poverty was explored by members of the Committee in reports to Secretary of Agriculture Orville L. Freeman.

Meeting with the Committee, Freeman reported on a series of new legislative tools which have been developed to aid resource programs. He asked that the committee suggest ways soil conservation districts and other public and private conservation organizations might use these tools to contribute more effectively to "closing the opportunity gap between rural and urban America."

John A. Baker, Assistant Secretary of Agriculture for Rural Development and Conservation, is chairman of the 18-member committee representing all regions and a wide cross-section of agriculture and rural life.

Farm Women No. 3 Meet At Mt. Airy

The Society of Farm Women, Group No. 3 met recently at the home of Mrs. William Eberly, at Mt. Airy.

Mrs. Harry Usner, president, conducted the business meeting. Volunteers to fold Christmas seals were requested. A visit to the county home with a treat of cookies was planned for November 18th. The group also plans to hold a Halloween party on October 30 at the Mt. Airy Fire Hall.

It was announced that the county convention will be held on November 6 in the auditorium of the Ephrata High School. Registration will begin at 9:30 a.m.

Among other business, Miss Hannah Wissler gave a report of the auditing committee. The nominating committee placed the following names in nomination: Mrs. William Eberly, president; Mrs. William Stober, vice president; Miss Marian Martin, secretary; Mrs. Raymond Rhail, ass't. secretary; and Mrs. Harvey Gehman, treasurer.

Mrs. John Enck gave a demonstration on arrangement of dried flowers, fruits, nuts, vegetables, etc.

The next meeting will be held at the home of Mrs. Harvey Gehman, Reinholds R1.

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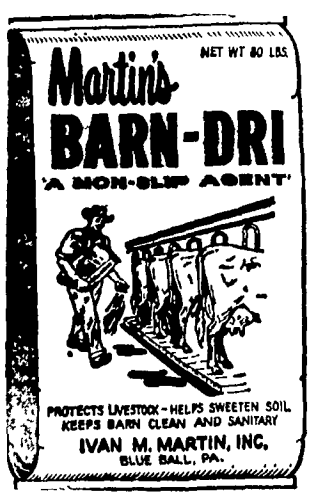

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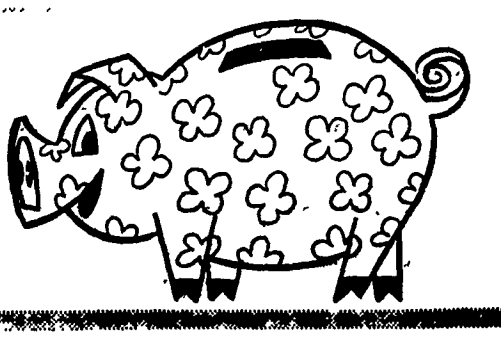

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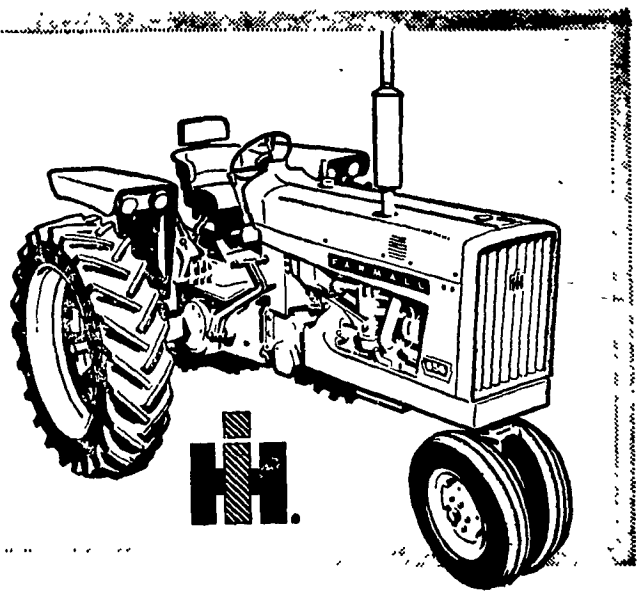

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Winter Feed Costs Of Heifers Studied

Winter feed costs for replacement beef heifers may be reduced by 25 percent by limiting food intake without reducing reproductive ability, according to University of Missouri research.

L William Eaton, Jr., animal husbandry department researcher, says three studies concerning effects of wintering beef heifers at different levels of feeding have been made

Within each trial, rations containing three levels of energy — high, medium, and low — were fed

Eaton notes that based on the studies, it appears that minimum requirements for maintaining the reproductive ability of yearling heifers to be bred in early spring falls somewhere between 4 3 and 6 7 pounds per head daily of total digestible nutrients (TDN) This is considerably below the nine pounds of TDN presently recommended, Eaton says

This lower level of feeding did not produce normal body weight gains and delayed attainment of mature body weight

The MU research has shown that Heifers fed 6 7 pounds of TDN per head daily from a 65 percent ground ear corn ration will breed and conceive readily

In the third trial, completed recently, the low level heifers were fed 4 3 pounds of TDN throughout the experiment These heifers generally failed to cycle or ovulate during the winter months. However, in the spring and summer, 14 of the 15 heifers eventually cycled and were serviced Of these, 12 were diagnosed safe in calf, one aborted at 4½ months Seven of these heifers settled upon first service in April

All research heifers were fed in drylot with access to shelter Good environment for heifers may tend to reduce minimum TDN requirements, Eaton points out

No apparent difference was observed between weaning weights of calves from heifers used in the first of the three trials

Heifers fed the low energy ration in the second trial received 6 7 pounds of TDN per head daily until one month before breeding started in April The ration was then cut to 4 3 pounds TDN daily.

These heifers made slight weight gains until the feeding level was reduced They lost weight during the breeding period At the time most heifers were bred, their weight was seven percent less than the initial average of 721 pounds

Eaton says, "In general, although heifers in the second trial on the low level ration were in thin condition, they conceived with less difficulty than did heifers fed medium or high energy rations."

SUPPLIER OF ARMS

Pennsylvania was a leading supplier of armaments to the Union Army The Sharps breech-loading rifle and a carbine-type weapon were developed before 1860 in Pennsylvania The carbine was turned out at a rate of 1,000 a month, and was probably the best rifle of the Civil War The Philadelphia Navy Yard built the gunboats necessary to blockade the Confederate coastline. Pennsylvania, in many ways, justified its reputation as the keystone state in the war between the states.

GOVERNOR WILLIAM W. SCRANTON has proclaimed the week of November 19 - 25, 1965, as FARM-CITY WEEK in Pennsylvania. Seated with the Governor is Jack R. Grey, chairman of the executive committee for 1965. Standing, left to right, are: Theodore E Brookhouser, secretary; Walter L. Cain, program chairman, and Charles B. Slaton, public relations and publicity chairman.

Pennsylvania Flying Farmers . . .

Several "gals" from the Eastern Pennsylvania 99's met at the L. L. Logan Airport, Kennett Square, Pa., last Saturday, under the direction of Mrs. Jerry Roberts, airmarking chairman, for the purpose of marking the hangar roof of the L. L. Logan Airport to identify the airport with markings plainly visible from the air. The 99's is a woman pilot's organization started by the late Amelia Earhart.

Marking such airports is a project of the 99's and is available to owners of airports and private farm strips. The owner furnishes the paint and materials The 99's do the layout and painting to conform to standards prescribed by the Pennsylvania Aeronautics Commission.

The project is to promote air safety and to help guide pilots in event of failure of radio navigational equipment. The 99's will assist with cooperating farm airstrip owners. The Pennsylvania Aeronautics Commission highly recommends this identification as does the Federal Aviation Agency which is officially notified of each such marking.

On an average day, 1,520 American homes, 14 schools, 200 farms, 5 hospitals and nursing homes, 8 churches, 135 industrial plants, and 120 stores are struck by fire, says the U. S. Department of Agriculture.

Fluid Manure Handling Meeting Held In Area

Seventy-five farm equipment dealers, distributors, educators, and agricultural specialists got a concentrated look at fluid manure handling equipment and concepts recently.

Occasion for the two-day gathering was the first of a series of sales meetings being held by Sahlstrom Manufacturing Company, Swedish developer of fluid manure homogenators and spreaders.

Nils Johan Sahlstrom, Skovde, Sweden, inventor of the fluid concept for handling farm manures was one of the speakers at the function and told the colorful story of his early experiments in Sweden in heating 20 communal homes with methane gas from farm manures His subsequent redirection of development work led to the Sahlstrom homogenator and fluid manure spreader

Nationally recognized Michigan State fluid manure specialist, Dr Robert Maddex, also spoke Donald Ace and Larry Click of Pennsylvania State University joined Maddex and covered the subject of state aspects of fluid manure application

Participants were taken by bus to visit the Mason Dixon Dairy farm at Gettysburg, the Frank Hershey farm at Eden and the Melvin Stoltzfus farm at Paradise to see fluid manure systems in actual farm use.

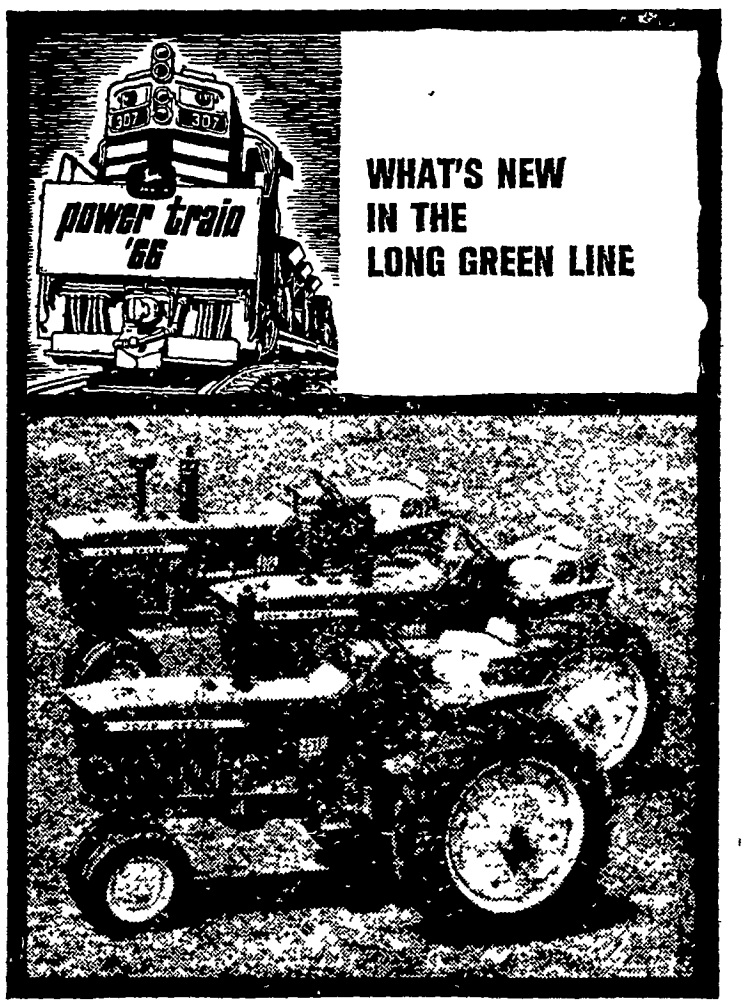
Liberty lives through the newspaper, where the power of the people is supreme.

Corn Chopper Burns On Longenecker Farm

A corn chopper on an area farm, valued at $2,000, was damaged by fire Oct 14 The blaze was believed caused by a short circuit in the wiring.

The fire occurred on the Ray Longenecker farm, Lititz R2, where, some months ago, fire destroyed several farm buildings The equipment, owned by Isaac Geib, Manheim R3, was parked about 35 feet from a new tobacco shed but the building was not damaged.

Responding to the alarm, about 8 30 p.m , was the Lititz Fire Co. with two engines. Firemen said Geib had been using the chopper until about 7 p m. when he parked it in the barnyard. He estimated damage at $400.



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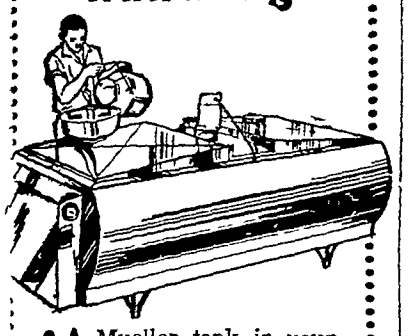

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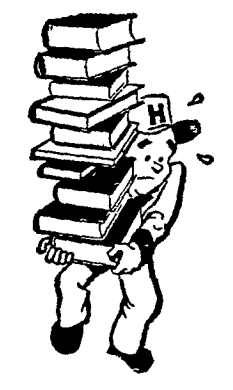

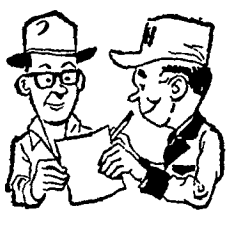

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Crop & Livestock Round-Up

Early Potato Forecast Revised Upward By 3%

The Pennsylvania Crop Reporting Service has revised upward its forecast of potato production in the state this year as other areas of the nation also indicated higher-than-expected yields.

The latest report, based on October 1 conditions, anticipates total production of 7.2 million hundredweight in Pennsylvania, 3 percent more than the yield forecast a month earlier. If realized, production would be 6 percent higher than in 1964.

For the nation, total potato production is now estimated at 291 million cwt., 22 percent more than the total produced in 1964.

Cattle On Feed Off In Pa.; Up 7% Nationally

Pennsylvania cattle feeders had 44,000 cattle and calves on feed for slaughter market on October 1, 1965, according to the Pennsylvania Crop Reporting Service. This was 14 percent less than the 51,000 on feed a year earlier and 4 percent less than the 47,000 on feed on July 1. Marketings of fed cattle during the July to September quarter totaled 33,000, down 3 percent from a year earlier Placements during the quarter of 30,000 compares with 42,000 placed during the same quarter in 1964. Cattle on feed less than 3 months on October 1 at 26,000 was 9,000 head below a year earlier, 3 to 6 months at 9,000 was up 3,000, and more than 6 months at 9,000 off 1,000 from a year ago. About 10 percent of the cattle on feed were 1,100 pounds and over 30 percent 900-1,099, 40 percent 700-899 and 20 percent were lighter animals. Intended marketings for the coming quarter at 19,000 would be the same as marketings during the same quarter in 1964.

UP 7% IN U. S.

On October 1, 1965, there were 7,359,000 head of cattle and calves on feed in 32 major feeding States for slaughter market — 7 percent more than a year earlier Increases from a year earlier were shown in all weight groups except those weighing less than 500 pounds, and those weighing 1,100 pounds and over An increase in heifers and heifer calves accounted for nearly three-fourths of the increase in number of cattle on feed The October 1 number on feed was 2 percent less than the number on feed July 1 this year compared with little change for this same period last year

Cattle and calves placed on feed during the July-September quarter in the 32 States totaled 4,191,000 head—down 1 percent from the same period in 1964. Placements were down 3 percent in the North Central States but were up 3 percent in the Western States Shipments of stocker and feeder cattle into 8 Corn Belt States during July and August were down 8 percent from the corresponding period a year earlier

A breakdown of the number on feed October 1 by weight groups showed an increase from a year earlier in numbers in each weight group between 500 and 1,100 pounds Decreases were shown in cattle and calves weighing under 500 pounds and those weighing 1,100 pounds and over

Replacement Chick Hatch Down For 1965

PA. DOWN 12 PERCENT

Production of egg-type chicks in Pennsylvania totaled 1,282,000 during September, a 5 percent decline from September 1964, according to the Pennsylvania Crop Reporting Service. This year's hatch from January to September is 26 percent below the same period in 1964. A month earlier the 1965 hatch was 28 percent below 1964. Broiler chick production totaled 4,505,000 during September, 15 percent higher than September 1964. The January to September hatch is 11 percent above the comparable period in 1964. The combined total of egg and broiler chick hatch during September was 5,654,000, a 12 percent increase compared with the September 1964 hatch.

U.S. DOWN 9 PERCENT

There were 28,931,000 replacement chicks hatched in September, up 2 percent from September 1964 Reported increases were 9 percent in the South Atlantic States, 7 percent in the South Central, and 6 percent in the Western States No change from September last year was reported in the North Atlantic States Decreases reported were 11 percent in the West North Central and 8 percent in the East North Central States The hatch of chicks during the first 9 months of 1965 totaled 410,368,000 — a decrease of 9 percent from same period last year The number of eggs in incubators on October 1 was up 7 percent from a year earlier

The hatch of broiler chicks totaled 186,371,000, up 12 percent from September last year and the largest of record for the month. During the first nine months of 1965 there were 1,900,947,000 broiler chicks produced, an increase of 7 percent from January-September 1964 and the largest of record for these months The number of broiler-type eggs in incubators on October 1 was 11 percent above a year earlier

Hatcheries produced 215,302,000 chicks during September compared with 194,728,000 in September 1964.

POULT PRODUCTION UP

Heavy breed poults hatched in September totaled 957,000 —an increase of 40 percent from September 1964 The hatch of heavy white breeds at 838,000 was up 63 percent The hatch of other heavy breeds at 119,000 was down 30 percent. Production of light breeds totaled 796,000 — up 13 percent from September 1964. There were 108,269,000 poults hatched during the first 9 months of 1965, an increase of 5 percent over the 9-month period in 1964. The number of heavy breed eggs in incubators on October 1 was up 11 percent from a year earlier. The number of light breeds in incubators was up 21 percent.

"DOUBLE X" ORTON

One of the most colorful personalities out of Pittsburgh's colorful past was a picturesque character known as "Double X" Orton Dressed in a stove pipe hat and a buffalo coat he for many years peddled his own brand of "Reliable XX Cough Drops" on Pittsburgh street corners. Once, after an election in which he was defeated as a candidate for sheriff, he claimed that his supporters had given him the "Double X"

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The Benjamin Franklin Bridge, often called the Delaware River Bridge by Philadelphians, was designed by architect Paul Cret, a native of that city Completed in 1926, it was at that time the longest bridge in the United States, and still is an engineering marvel

THIS WINTER'S WINNER:

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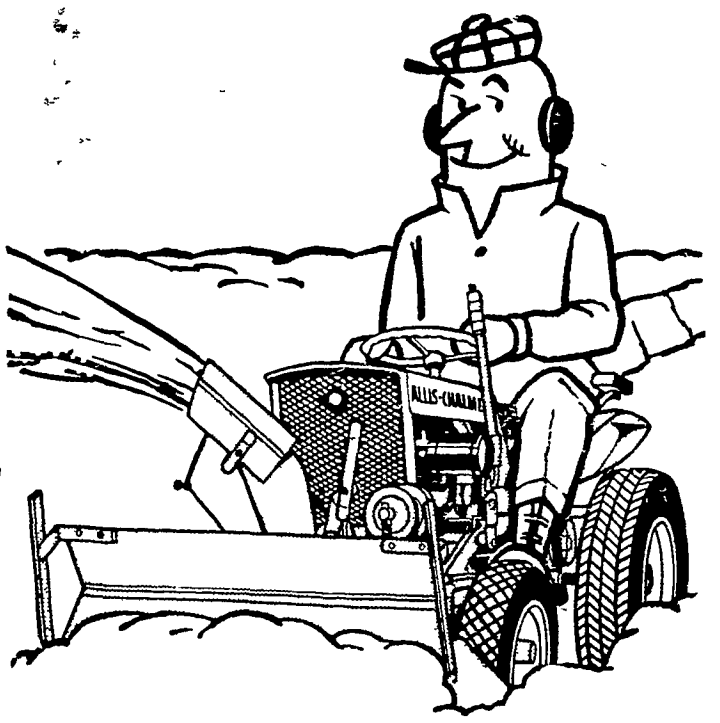
OR YOU?



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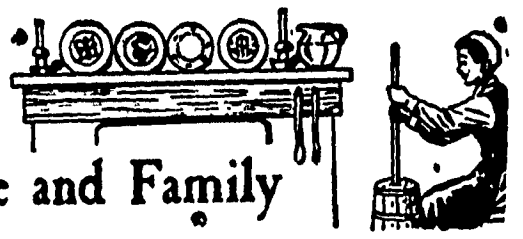


For the Farm Wife and Family

By Mrs. Richard C. Spence, Food Editor

What's In A Vegetable

SPENCE

Vitamins come in tablets and capsules. But the most appetizing "packaging" for vitamins is vegetables. A kernel of corn, a string bean, a carrot nugget or a greenpea are all "containers" of some of our most important vitamins.

A, B and C are the vitamins most abundant in vegetables Vitamin A keeps eyes in good condition and helps give a healthy skin. The several vitamins within the B group help control our body-regulating processes. Vitamin C builds blood cells and generally helps keep our bodies healthy

Green beans, broccoli and carrots are excellent sources of vitamin A Good sources of vitamin C are broccoli, green peppers, and sweet red peppers. Most vegetables, but specifically peas and beans, contribute thiamine, one of the B vitamins, to our diets.

Minerals, though needed in small amounts, are essential for strong bones and teeth and a healthy blood supply. Vegetables supply important amounts of calcium and iron needed by growing children as well as adults Almost all vegetables contain some iron while beans and broccoli are particularly good sources of calcium

Vegetables also supply carbohydrates in the form of sugar, starch and cellulose. Corn, carrots and potatoes are rich in carbohydrates

Just because vegetables are good for us doesn't mean they have to be dull The variety of vegetables to select from is tremendous. Green vegetables, red, yellow and white are all as nutritious s they are colorful And the variety of garnishes, sauces and combinations to vary vegetables is also great. The year-around availability of vegetables, both canned and frozen, is another big advantage Asparagus in October, Brussels sprouts in January and golden corn in May — it's hard to believe that these are harvested only in the summer.

And now for some ways to serve some of these vegetables in an interesting way. A favorite fall item on the menu is the sweet potato.

"JUST-RIGHT" ORANGE SWEET POTATOES

1 2-pound 8-ounce can sweet potatoes or yams (or cooked fresh sweet potatoes)
2 teaspoons grated orange peel
3 oranges, peeled, sliced into cartwheels
½ cup orange juice
1 7-ounce can jellied cranberry sauce (¾ cup)
¼ cup honey
2 tablespoons butter or margarine

Slice sweet potatoes lengthwise. In a 2-quart covered casserole, arrange half of the potatoes in an even layer. Sprinkle with 1 teaspoon grated orange peel. Top potatoes with half of the orange cartwheels Repeat layers, using remaining sweet potatoes, grated peel and orange cartwheels Combine orange juice, cranberry sauce and honey. Place in electric blender for 20 seconds or beat with rotary beater until smooth Heat sauce to boiling point and simmer for 5 minutes, pour over casserole Dot with butter and cover with lid Bake in 400 degrees for 30 minutes 8 servings.

* * * *

ITALIAN CHEESE EGGPLANT

2 cups shredded Provolone cheese
½ cup grated Parmesan or Romano cheese
2 cups bread cubes
½ stick (¼ cup) butter
1 medium onion, peeled and chopped
½ green pepper, chopped
1 ounce can mushroom stems and pieces, drained
1 medium eggplant, pared and cut into 1 inch cubes
1 pound can tomatoes
1 teaspoon salt
2 eggs, slightly beaten
1 teaspoon dried parsley

In a heavy skillet toast bread cubes in 2 tablespoons of butter. Remove cubes Melt remaining butter in same skillet. Add onion, green pepper, and mushrooms and cook for 5 minutes. Add eggplant, tomatoes and salt Cover and cook for 10 minutes Add eggs to Provolone cheese In a 2 quart casserole, alternate eggplant mixture with Provolone and egg Top with bread cubes, grated cheese, and parsley. Bake in a moderate oven (350 degrees) for 30 minutes. 8 servings.

* * * *

GOLDEN NUGGET BRUSSELS SPROUTS

2 10-ounce packages frozen Brussels sprouts
Boiling salted water
3 tablespoons butter or margarine
1 tablespoon flour
¼ teaspoon salt
½ cup milk
1 egg yolk
1 teaspoon grated orange peel
¼ cup orange juice
2 tablespoons lemon juice
2 oranges, peeled, cut into bite-size pieces, drained

Cook Brussels sprouts, uncovered, in boiling salted water until just tender, but not soft Drain; in a small saucepan, melt 1 tablespoon butter; stir in flour to form a smooth paste. Add salt Gradually add milk, stirring constantly, until smooth Continue stirring and allow mixture to gently boil one minute. Remove from heat and blend in egg yolk and remaining butter. Stir in grated orange peel and citrus juices. (Sauce may be kept warm over hot water) To serve, combine cooked Brussels sprouts and drained orange pieces. Add hot sauce and toss lightly. 4 servings.

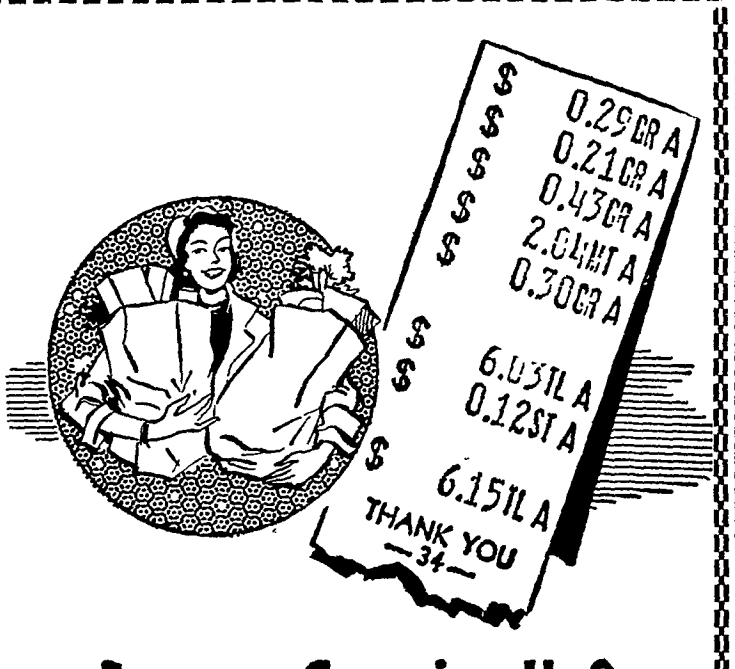
* * * *

PREM-LIMA BEAN BAKE

12 ounce can Prem
2 packages (10 ounces each) frozen lima beans
½ stick (¼ cup) butter or margarine
½ cup chopped onion
¼ cup cornstarch
1 pound, 12 ounce can tomatoes
1½ cups crushed potato chips

Cut Prem into thin strips. Cook lima beans according to package directions. Melt butter in skillet and saute onions in butter Stir in corn-

(Continued on Page 11)



Expense Creeping Up?

It's a tremendous job for any woman to hold down on the cost of groceries and other necessities. What's the solution, then, to making both ends meet when everything costs so much.

Add to your income by saving where saving pays and your hard-earned dollars earn a king-sized dividend. In any amount, your account is welcome and your dollars are readily available, every one Perhaps it's time to stop in and become acquainted

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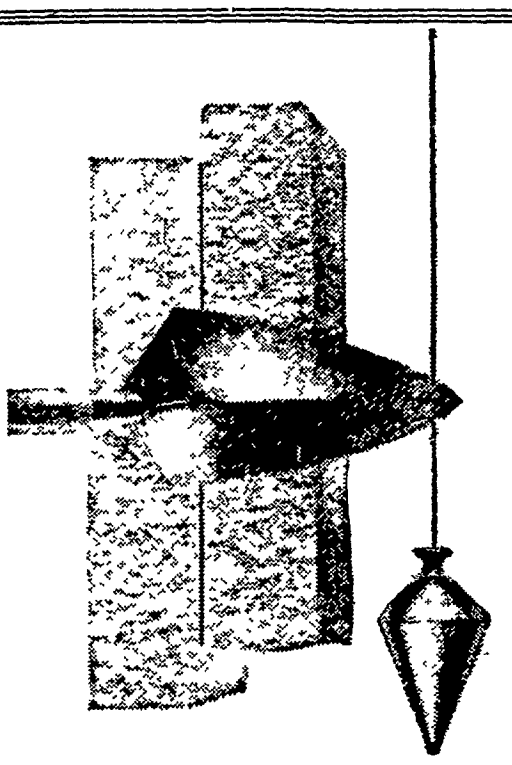

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For The Farm Wife

(Continued from Page 10)

h combine well, and add ices Heat, stirring, constly until thickened In a nt casserole layer lima s tomato mixture and a Repeat layers Top with to chips Decorate top of serole with remaining of Prom Bake in a erate oven (350 degrees) 25 minutes 6 to 8 serv-

* * * *

SUNNY BAKED ONIONS

medium onions
teaspoons grated orange peel
tablespoons brown sugar
oranges peeled, sliced into ½-inch cartwheels
tablespoons butter or margarine
Nutmeg
cup orange juice
teaspoon salt
cup sliced toasted almonds

Carefully peel onions and cut thin slice off top and bottom of each Place in covered casserole one cut side up Sprinkle cut tops with grated orange peel and brown sugar Top each onion with orange cartwheel dot with butter and lightly sprinkle with nutmeg Add orange juice and salt to casserole Cover, bake at 400 degrees 1 to 1¼ hours until just tender but not mushy Garnish with toasted almonds and serve with orange sauce from casserole 8 servings

● Chrysanthemums

(Continued from Page 5)

carpets of grass combine with the deep green of the yews, junipers and arborvitae to frame the abundant beauty of the mums, annuals and roses

Shade trees have started putting on their fall ensembles Sugar maples and sweet gum with their multi-colored leaves Harmonize with the yellows of the ash maple and locust Bronzed beech dogwood and purple leaf plum make sharp contrasts and seem to cause more vividness to the yellow of gingko and birch

Stalwart evergreen of hemlock spruce, pine and fir appear unperturbed by the approach of fall and their somber trees seem brightened by the colorful flowers and foliages about them

● Chicago

(Continued from Page 2)

Standard steer beef steady to 50 higher Cow beef steady

SLAUGHTER STEERS — Twenty five load mostly Prime 1190 1375 lbs 28 25 28 35 closing 28 50 down numerous loads High Choice and Prime 1150 1425 lbs 27 50 28 50 closing 28 25 down Choice 1100 1375 lbs 26 00 27 75 Choice 1000 1100 lbs 25 50 27 25, closing 25 50 26 50, several loads High Choice and Prime 1050 1150 lbs 26 50 28 00, latter Price on Monday Choice 900 1000 lbs 25 25-26 50 Mixed Good and Choice 900-1300 lbs 25 00 26 25, Good 23 50 25 50, Standard and Low Good 22 00-24 00, Utility and Standard 20 00 22 00

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Stalwart evergreen of hemlock spruce, pine and fir appear unperturbed by the approach of fall and their somber trees seem brightened by the colorful flowers and foliages about them

When Family Health Problems Arise — Consult your Doctor of Chiropractic

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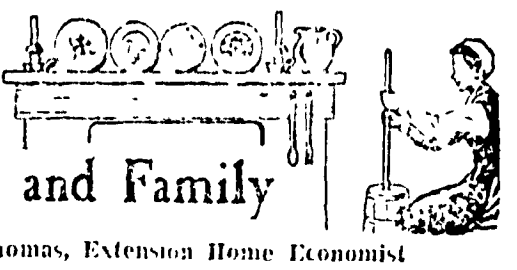

For the Farm Wife and Family

By Doris Thomas, Extension Home Economist

Ladies, Have You Heard? . . .

THOMAS

Some Facts Worth Knowing About Apples

The apple crop this year is more than 133 and two tenths million bushels according to the U S Department of Agriculture

Apples figure as the best known temperate climate fruit in the world Except for tropical regions, apples are grown almost everywhere

Through the years, some 7 000 different species of apples have been grown in America But today, only a few remain commercially important They include Delicious, McIntoch, Winesap, Jonathan, Rome Beauty, Stayman Cortland, and Greenings

The apple is a versatile fruit You can adapt apples to any meal of the day and you can use them for the fruitbowl and the lunchbox They are an excellent addition to salads and they are favorites for pie and other pastries, and for hotbreads and fritters

When buying apples choose the variety suited for the way you intend to use them — cooking, baking eating raw out-of-hand for pies and salads

Onions, the Old Standby

Onions are a must in stews many foreign dishes and in many soups sauces stuffings, salad and sandwich mixtures They combine well with meat poultry fish eggs and cheese.

Ways to prepare onions are many including fried onion rings to garnish beef, poultry or pork main dishes A hot onion pie may be a main dish vegetable And creamed onions can be the vegetable or topping for a casserole. Many folks won't eat a hamburger without a slice of raw onion

When you shop for onions, look for bright, clean hard, well-shaped bulbs with dry skins and necks Onions

(Continued on Page 13)

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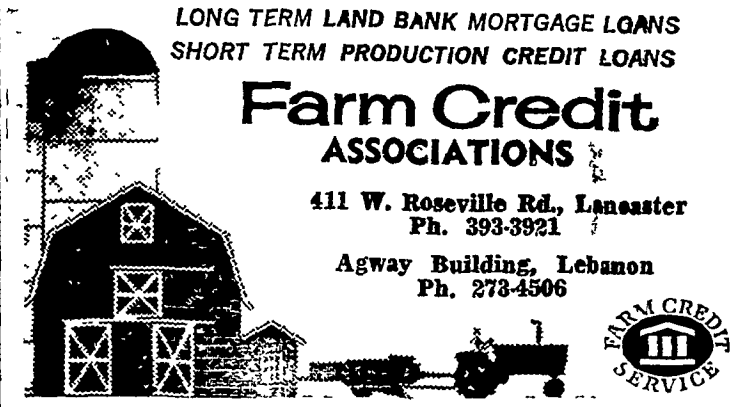

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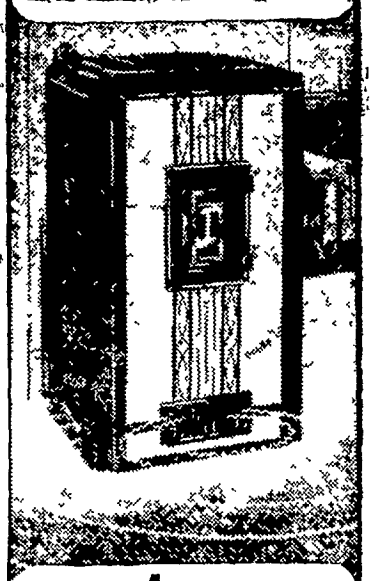

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Fulton Grange 66 Installs Officers

Fulton Grange #66 held its regular meeting October 11 at the hall in Oakryn, Pa. Gyles Brown, Master, conducted the business meeting. The Charter was draped in memory of Charles Grimsey L K Hostetter and Mrs Katie Carpenter were received into membership.

Leslie I Bolton installed the newly-elected officers, assisted by William Ambler as Marshall Miss Jean Moss as Regalia Bearer and Mrs Russel Hartsoe as Emblem Bearer The following were installed Master, Gyles H Brown Overseer David Wissler, Lecturer Miss Agnes Spencer Steward, Ambrose Gilfings Assistant Steward Chester Todd Jr Chaplain John Galbreith Treasurer Clair Murphy Secretary Mrs Charles McSparran Gatekeeper Earl Smoker Ceres, Miss Lois Tindall, Pomona Mrs Clifford Holloway Jr, Flora Mrs Ambrose Gilfings Lady Assistant Steward Mrs Stanley Stauffer Jr Executive Committee member, Clifford Holloway Jr and Junior Grange Matron Mrs Charles Tindall Sr

The Master made the followins appointments for the year Youth Committee Clair Murphy Lois Tindall Mrs Cathy Cochran Mary Lou Wesley Mr and Mrs Stanley Stauffer Jr and Ruby James Legislative Committee, Norman Wood and Francis Gillespie Home Economics Committee, Mrs Charles Tindall Sr Mrs W Harold Graybeal Mrs Marian Ankrim Mrs Susan Fite, Mrs Esther Carroll and Mrs Charles McSparran Membership Committee Mr and Mrs Clifford Holloway Jr, Mr and Mrs Owen Groff, Sr, and Mr and Mrs George Lamborn Community Progress Program Miss Dorothy Ackerman, Mrs Ambrose Giffing, Mr and Mrs Thomas Bradley, Mr and Mrs Howard Steinberg Hospitality Committee, Mrs William Walton

A masquerade will be held at 8 p m at the next meeting October 25 Prizes will be awarded for the prettiest, ugliest and most original.

Penn State Announces Two Short Courses

Dr Fred C Snyder, Penn State director of short courses recently announced two farm business courses will be offered in December

The first one will be held December 6-8, and will deal with farm income tax and social security problems It is suggested that farmers, and those who help farmers prepare returns will receive the latest information concerning the income tax law Other subjects covered will be farm income and expenses, personal deductions, retirement credit tax credit, depreciation, installment sale privilege, and business casualty losses.

On December 9 and 10, a course in wills and estate planning will be offered Farmers, agricultural businessmen and others who advise and counsel farmers on estate planning are invited to attend

Registration fees for these courses are $10 for Pennsylvanians and $15 for others

Courses will be held on the main campus and applications or other information can be obtained from Dr Snyder, Armsby Bldg, Penn State University

Mr. and Mrs. John Ferich's all-electric home at 6 Pleasant View Avenue, Willow Street, Pa.

The Ferich family paid an average of

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for Total Electric Living including Electric Home Heating, Water Heating, Cooking, Lighting, and all their other electric services

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**If PP&L's new low rates had been in effect throughout the entire heating season, the average monthly cost would have been even lower.*

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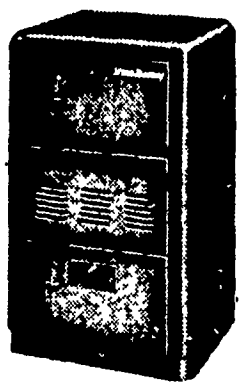
PENNSYLVANIA POWER & LIGHT COMPANY

Warm Morning's lowest-priced circulator!



Model 460

Warm Morning COAL HEATER

This budget-priced circulator has genuine lifetime porcelain finish and the famous, patented 4-flue firebrick lining. Holds 60 lbs. of coal and heats up to four rooms. A terrific buy!

Priced from $59.50

Groff's Hardware

New Holland, Pa.

DISCOVERY OF COAL

The discovery of anthracite coal was an event of tremendous importance to the economic future of early Pennsylvania. Among those credited with this historic "find" was a Pennsylvania German farmer and miller, Philip Ginder. While digging in the mountains for rock to use for a millstone, he came back with a sample of black stone which a blacksmith was able to burn in his forge. His discovery later led to the organization in 1792 of America's first coal mining company, the Lehigh Coal Mine Company.

Modern Sowing Service of Limestone

- Belmont

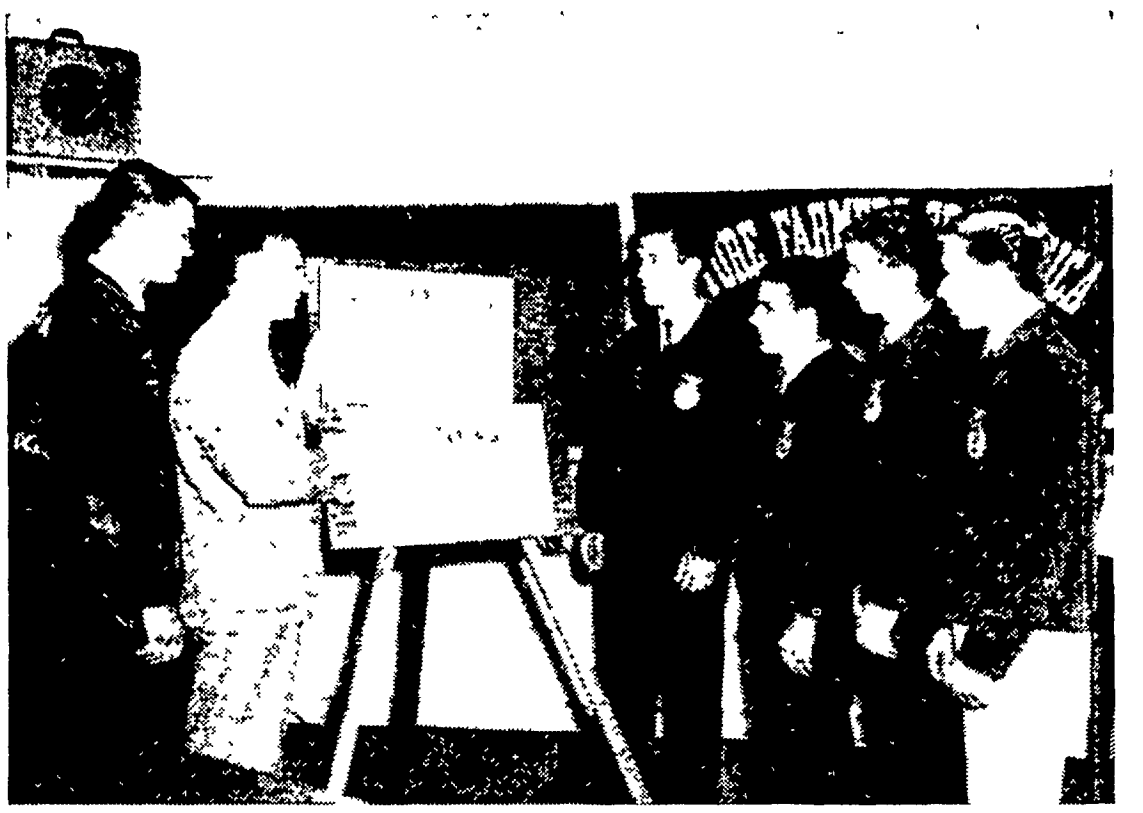
or

- Martin's

Contact

Stanley S. Hoffer

Paradise 687-6860



AREA FFA STATE OFFICERS AT LEADERSHIP TRAINING conference at Penn State University recently received instruction in newswriting and press relations. Shown above absorbing some basic newswriting procedures from George A. Van Horn, associate editor for the Agricultural Experiment Station, are left to right: Kenneth Martin, Denver R1, past president, Dennis Grumbine, Myerstown, president; Harold Myer, treasurer; Dale R. Hershey, Manheim R3, treasurer; and Donald H. Herr, 2125 S. View Dr, Lancaster, sentinel.

● Have You Heard?

(Continued from Page 11)

should be free from seed-stems.

Read Label on Soup Can

Labels on cans of soup tell you what is in the can. The ingredients are listed in decreasing order, according to the amount by weight. The ingredient mentioned first is the one in the largest quantity.

Read the labels to be sure you're getting what you want. Two brands of oyster stew may be similar in composition and have milk as one of the ingredients. But one label may list milk first and the other oysters first. The label tells you if you're buying more oysters or more milk.

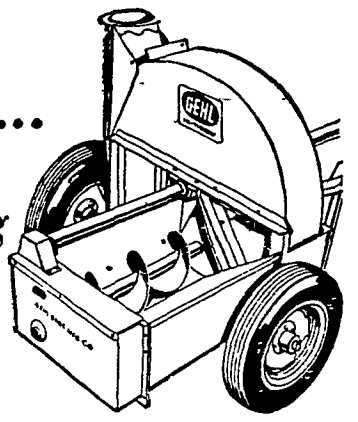
Tomato is the most popular canned soup, then chicken noodle and vegetable, according to the U. S. Department of Agriculture. Other canned soups, in order of preference, are vegetable beef, chicken and rice, cream of mushroom, vegetarian vegetable, cream of chicken, chicken vegetable, beef and noodle, chicken gumbo, turkey noodle, beef, minestrone, bean with bacon, clam chowder, cream of celery, green pea, and consomme. Chicken noodle is the most popular dehydrated soup.

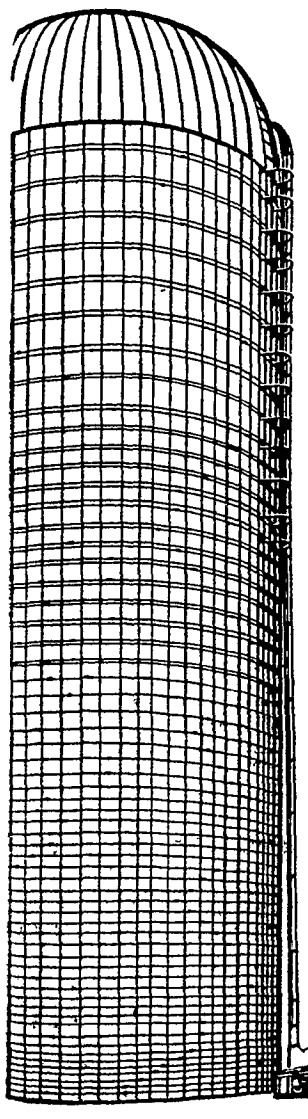
What Is Monosodium Glutamate?

It's not a tenderizer and it's not a salt. But it is a flavor enhancer that brings out the natural flavor of food without adding flavor of its own. Some seasoning preparations contain monosodium glutamate, but the pure product doesn't add flavor. When using this product, follow directions on the package.

GEHL

Hi-Throw Blower... fills a 90-footer without breathing hard





Power to spare filling a huge 30 x 90-ft. silo! Only time you'll see blower capacity like that is watching a Gehl Hi-Throw Blower in action.

No step-up drive. No smaller blower pipe needed. The Hi-Throw makes efficient use of *all* the air power it produces to blast the crop high. Tolerances between fan blades and the housing are closely engineered. A simple adjustment maintains them to reduce air loss. Rim sheet adjusts, also, to provide straight-line flow to any storage area. Positive-feeding auger and big throat easily deliver the crop to the fan for ton-a-minute blowing. No unloading slowdowns with a Hi-Throw . . . even when handling haylage.

Whether you choose the 3-ft. trough, 10-ft. trough or hopper model, with the Gehl Hi-Throw you get power and capacity to fill your silo faster . . . regardless of size.

More than a century of service GEHL

Make us Prove it with a Demonstration!

N. G. HERSHEY & SON
Manheim

FARMERSVILLE EQUIPMENT CO.
R. D. 2, Ephrata, Pa.

Says . . .

DAVY DAVCO

For Best Results Use

Davco 3-G Granulated Fertilizers Plus Limestone

- Soil Testing Service

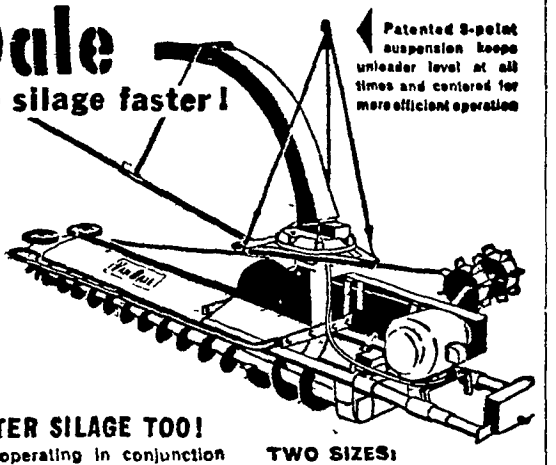
SMUCKER BROS.

Bird-in-Hand, Pa. Phone 656-9156

Get the BIG silo unloader value!

VanDale

Delivers more silage faster!



- Double auger system digs the silage faster and more evenly under all conditions whether silage is frozen, wet, or dry.
- Exclusive, adjustable drive hub gives more positive traction, keeps the machine operating evenly, and requires less power.

Patented 3-point suspension keeps unloader level at all times and centered for more efficient operation

DELIVERS BETTER SILAGE TOO!

The double augers, operating in conjunction with the patented V-paddle impellers, *digs* the silage, mixes it thoroughly, and then *throws* it down the chute. Your cows and cattle get good, palatable silage . . . not a powdered mash as so often happens with unloaders using blowers.

TWO SIZES:

Standard—for silos 16' to 18'

Heavy Duty—for silos 18' to 30'

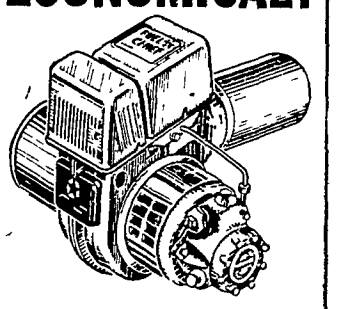
CALEB M. WENGER

R. D. 1, QUARRYVILLE, PA.

Drumore Center KI 8-2116

WRITE OR PHONE US FOR COMPLETE INFORMATION AND PRICES.

QUIET... ECONOMICAL!



Texaco Fuel Chief Oil Burner

with the new exclusive Jet Flame Booster. This may be the time to think about replacing your old burner with a brand-new, high-efficiency burner from Texaco. Ideal for use with warm air, hot water, or steam-heating systems. Contains the latest research development, Texaco's new Jet Flame Booster—the scientifically designed end cone and stabilizer that provides the most heat from the least fuel.

We also carry the complete line of Texaco Fuel Chief furnaces and hot-water heaters—plus Texaco Fuel Chief Heating Oil, the best your money can buy. We pride ourselves on giving top service in this area. Give us a call.

Fuel Chief OIL HEATING EQUIPMENT

We Give S & H Green Stamps

Garber Oil Co.

Distributor
Texaco Fuel Chief
Heating Oil
105 Fairview St.
MOUNT JOY, PA.
Ph. 653-2021

6th ANNUAL
FALL FEEDER
CATTLE SALE

500 - HEAD - 500

STEERS AND HEIFERS

Sale to be held at the Aberdeen Sales Company Livestock Auction Market located on Md. Rt. 22, 6 mi. east of Bel Air, Md., 6 mi. west of Aberdeen, Md., in Churchville, Hatford Co., Md., on

SAT., OCT. 23, 1965

1:00 P.M. Sharp

All cattle will be sorted and graded and sold on out weights. All steers grading fancy will be sold individually. Cattle will be accepted and cared for 24 hours prior to sale. All cattle are local and acclimated.

ALL WEIGHTS AND BREEDS

Aberdeen Sales Company
Livestock Auction Market
Sale Managers

For consignments and information, call Code 301 734-6050
734-7105
272-1368
838-6980

Since 1935 —
Your Dependable

SALES
EVERY
TUESDAY

Large consignments of native calves and yearlings as well as heavy cattle each week. We start selling cattle at 3 P.M. every Tuesday.

1965 SPECIAL SALES
STAUNTON FEEDER
CALF SALES

2nd. OCT. 29th - 1 P.M.
1500 CALVES FOR
THIS SALE.

STAUNTON
LIVESTOCK
MARKET, INC.

C & O Flats
Staunton, Va.
"A national Certified Market"

4-H Club News

BROKEN BIT CLUB MEETS

The Broken Bit Light Horse and Pony 4-H Club met on October 15 at the Durlach-Mt. Airy Fire Hall.

The members saw slides showing how to mount and ride correctly.

A committee is planning a Christmas party to be held at the December meeting. A trail ride is scheduled for October 24, beginning at the home of Charles Risser.

The next meeting will be held November 12 at the Agway, Inc., building, Lancaster.

During 1964, Americans spent an estimated $7.1 billion on cigarettes, says the U. S Department of Agriculture The farmers' share of the total was $600,000 million The average cost per pack was 28 6 cents. The per pack share received by the farmer was 2 6 cents.

PUBLIC SALE
OF
VALUABLE
REAL ESTATE

On Tuesday, November 2, 1965 at 2 P.M. sharp at R. D. #9, York, Pa. in Lower Windsor Twp. on road between Yorkanna & Valley View Park. The undersigned executors of the Emma J. Himes estate will offer at public sale the following real estate —

Farm consisting of 48 acres and 111 perches most of which is good rich farming land and approx. 10 acres in woodland. Improvements consist of 2½ story 7-room frame house with asbestos siding, full basement, heated by oil hot water heat, also summer house & pump house, nice yard with good shade trees, also frame bank barn 36 x 56 with 12 x 56 extension, tobacco shed 24 x 66, frame corn crib, block hog pen, chicken houses. Anyone in the market for a farm be sure and see this one. An ideal farm and only a few minutes drive from York. For inspection of farm phone the executors for appointment. Terms will be given on the day of sale.

EDWARD C. HIMES
Phone 845-1727
THEODORE R. HIMES
Phone 755-3428
Executors
Jacob A. Gilbert, Auct.
Paul E. Stein, Atty.

State Officials To Attend Meeting

A number of prominent state officials will be presented at the Federated Sportsmen's banquet on October 28 at Dutch Town and Country, Vintage, Pa.

Dr. Maurice K. Goddard, secretary of the Department of Forests and Waters, will be principal speaker, and other guests will include Glenn L. Bowers, newly appointed director of the Game Commission, Robert J. Bielo, executive director of the Fish Commission, and members of their organizations.

This will probably be the last official meeting at which Federation President Robert Fasnacht will preside. He served the organization as secretary for 15 years, and is completing four years as president Under his guidance the organization has worked on many projects and much has been accomplished for conservation, hunting and fishing.

A. Warren Lichty is chairman, and Clayton B Shenk is co-chairman for the event

PUBLIC SALE
OF VALUABLE
REAL ESTATE

On Thursday, October 28, 1965 at 2 P.M. sharp at R. D. #2, Airville, Pa. in Fawn Twp. at Woodbine. The undersigned will offer at public sale the following real estate consisting of dairy farm with approx. 179 acres of land of which there are 95 acres of farming land and the balance about equally divided between good pasture ground and woodland. Farm is improved with the large main house of stone & frame consisting of 4 bedrooms, dining room, living room with fireplace, kitchen, den, foyer, enclosed porch, 2½ baths, cemented basement, heated by oil hot water heat, telephone. House is in very good condition throughout, must be seen to be appreciated. Also a block 3 bedroom tenant house with bath and a two car garage. Farm buildings consists of large barn equipped for 39 milk cows and room for 20 more head, barn has large storage area with corn crib, milk house, 2 silos. There is lots of good road frontage on this farm, large stream running through meadow. This is an ideal property, will be open for inspection all day October 14 or for appointment at any other time phone Airville 862-3957. Terms of sale 10% down, balance on April 1, 1966 when full possession will be given. Owner willing to help finance.

AMOS HIVELY
Owner
Jacob A. Gilbert
Auctioneer

THE BROICHE STITCH GOES ON AND ON in this knitted pullover sweater and it becomes a marvelously warm long sleeved addition to your wardrobe. Choose a bright color to really stand out in any crowd. Dress it up with a few exotic bracelets and you'll be able to go almost everywhere in it. Free instructions are available by sending a self addressed, stamped, envelope to the Needlework Editor of this newspaper along with your request for Leaflet B 127.

On an average day in t U. S. newspapers reach 1 570,000 households, or 8 percent of the total numb of households.

Local Classified Advertising Rates

Use This Handy Chart To Figure Your Cost

Words	(1) Issue	(8) Issu
20 (Min.)	$1.00	$2.40
21	1.05	2.52
22	1.10	2.64
23	1.15	2.76
24	1.20	2.88
25	1.25	3.00

KEYED ADS (Ads wit answer coming to a Bo Number, % Lancaster Farm ing): 25c additional.

Ads running 3 or more co secutive times with no chang billed at 4c per word each tim with 80c minimum.

DEADLINE: Wednesda morning of each week's publi cation. Positively no ads ac cepted after noon Wednesday

LANCASTER FARMING
P. O. Box 266
Lititz, Pa.
Ph. Lancaster 394-3047 o Lititz 626-2191.

PUREBRED GUERNSEY SALE
Thursday, October 28, 1965 — 12:30 Noon
At the Ass'n. Sales Pavilion, 6 Mi. E. of Lancaster, Pa.
Bang's & T. B. Cert. Vacc.
50 HEAD

Half of which are the famous Tiffany Guernseys from Conn. Herd average 10,900#M - 532#F. A line-bred Butterfat herd. We are most fortunate to have these cattle for our buyers along with a good group of fresh cows and bred heifers due close to sale date.

Don't overlook this opportunity to strengthen your fall production by buying replacements at this sale.

SALE MANAGED BY:
PENNA. GUERNSEY BREEDERS' ASS'N.
P. O. BOX 458 CAMP HILL, PA., 17011

PENNSYLVANIA

ALL PONY SALE

MARTIN'S SALES STABLES
Blue Ball, Pa. Lancaster County

300 PONIES 300

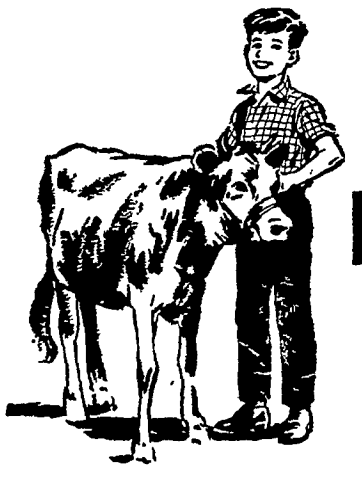
Monday Evening, October 25th — 7 P.M.

Tuesday, October 26th — 10 A.M. and 7 P.M.

This is one of the Better Consignment Sales of the East.

PAUL Z. MARTIN

Ph. 717-354-6671.



Improved
higher energy
PIONEER VIG-R-CALF

RED COMB PIONEER
Since 1902

Look For The
New White Bag!

GOOD'S FEED MILL
New Providence

2nd WINCHESTER FEEDER CALF
AND YEARLING SALE
Friday, October 29, 1965
7:00 P.M. (E.S.T.)
Farmers Livestock Exchange, Inc.
Rt. 50 west of Winchester, Va.
ANGUS — HEREFORD — SHORTHORN
Steers and Heifers
1300 Feeder Calves and 200 Yearlings
Weight — 300 to 1000 pounds

All cattle will be state graded and sold in lots by breed, sex and weight Consignors guarantee "No Bred Heifers or Stags" in feeder calves only. Eligible for interstate shipment.

Morris Fannon, Auctioneer I. Fred Stine, Sale Manager
For Information: Write or Phone
NORTHERN VIRGINIA LIVESTOCK
PRODUCERS ASS'N, INC.
P. O. Box 440 — Phone AC703-662-2946 — Winchester, Va.

CLASSIFIED ADS

Farm Equipment

180 Amp. Lincoln Welder, New Price $95.00. Hiestand, Inc., R1, Marietta. Ph: 426-9301.

Corn pickers, new and used, self propelled, mounted and pull type; Forage boxes, blowers, harvesters, elevators, tobacco lathe and wagons.
KEENER EQUIP. CO.
Phone 569-9861
1531 Manheim Pike
Lancaster, Pa.

For Sale — 30 h.p Sprout-Waldron Attrition Mill and Co B - Breaker. Akron, Pa. Ph. 859-1666

Used, New Idea one-row pickers. New Idea two-row mounted, and Uni-Systems.
WILBUR GRAYBILL
New Idea - Clay - Mch Shop
Lititz Ph 626-5221

For Sale — Used milk coolers; one 300 gal. Wilson bulk tank, stainless steel, good condition; one 400 gal. Esco bulk milk tank, MCD No 1 approved; one 400 gal. Jamesway bulk tank, S S.
CLARK ELECTRIC
R1, Kinzers, Pa.
Ph. Intercourse 768-8501

John Deere, New Holland and New Idea Spreaders Write or call for our special fall prices. A. B. C. Groff, Inc., New Holland, Pa. Ph: 354-8001.

For Sale — Save time and labor with an automatic, electric silage cart. Also, one used dumping station.
"Sputnick" Sales and Service
Amos H. Rutt
Quarryville R2 — 786-3897

For Sale — DeLaval Milker with 3 units, piping and stall cocks for 21 cows, 4-Can International Milk Cooler Ph 569-0385.

Help Wanted

Wanted — Experienced farmhand. Phone Terre Hill 445-6427.

UNUSUAL OPPORTUNITY
Large United States and Canadian Company in Agricultural field urgently requires representative in this area for Crop Service Department Applicant must have recent agricultural background and be well regarded in area
Position is full-time, or can be handled at first along with your present farming operation. Successful applicant can expect earnings between $100 - $150 weekly with excellent opportunity for early advancement in this area
Write to W Bruce Moyer, Regional Manager, P O Box 266, % Lancaster Farming, Lititz, Pa

Feed and Seed

Wanted — A large amount of mulch hay needed. Phone AC 717-442-4738 or 215-268-2249.

For Sale — Rye, clean and treated. C Martin Greenleaf, R D. 1, Oxford, Pa. Ph. Kirkwood 529-2704.

WANTED

Mulch Hay — any amount. Top prices paid. Phone Area 215-268-2262.

REAL ESTATE

For Sale: Dairy and beef-cattle farms, country homes, and town properties in beautiful Bradford County, Pa. "This is cattle country." Harold F. French, RE Broker, Troy, Pa. 16947

Household Goods

Tappen gas ranges, Norge appliances, Quaker oil heaters and bottled gas service.
BENJ. SHENK
Lampeter, Pa.
Phone 397-2486

1965 AUTOMATIC NECCHI Zig-Zag sewing machine, cabinet model. 5 months old. Overcasts & Monograms, Sews on buttons; makes buttonholes. Blind-hems skirts & dresses. Fancy Stitches. No attachments needed. Sews with 1 or 2 needles. 5 Year guarantee.
UNPAID BALANCE $34.20 or terms of $5 down and $6 per month
Call Capital Credit Dept. Lancaster 392-4341 or Reading 372-5763, out of town call collect.

A SINGER AUTOMATIC 1965 model Zig-Zag sewing machine in cabinet. 4 months old. Fancy stitches, overcasts and Monograms. Makes buttonholes and sews on buttons. Latest Model. No attachments needed. 5 year guarantee.
UNPAID BALANCE $53.20 or terms of $5 down and $6 per month.
Call Capital Credit Dept. Lancaster 392-4341 or Reading 372-5763, out of town call collect.

AUTOMATIC 1965 WHITE Zig-Zag sewing machine, 5 months old. Blind-hem stitches, sews on buttons, makes buttonholes, Overcasts, monograms, Sews with 1 or 2 needles. 5 year guarantee.
UNPAID BALANCE $27.30 or terms of $5 down and $6 per month.
Call Capital Credit Dept. Lancaster 392-4341 or Reading 372-5763, out of town call collect.

WEAR-EVER
Cooking Utensils
Sales & Service 898-7170
Charles M. Landis
R. D. 1, Root Rd.
Manheim, Pa.

Poultry & Supplies

Egg washers, new and used. We repair all makes. Hiestand, Inc, Marietta R1, Ph. 426-9301.

DEKALB
STARTED PULLETS
Phone DeKalk York Hatchery, York 848-1770 or DeKalb District Sales Office, Lancaster 394-5157.

Musser's 327's
Shell Out
Lots of Large
White Eggs

BABCOCK B-300's
Top on Farms Everywhere

will be Tops on
YOUR FARM
too . . . .

BABCOCK
HATCHERY, INC.
R. D. 3, Lititz, Pa.
Phone: 717-626-5872

MISCELLANEOUS

NATURAL FOODS!
Free of chemicals, poisons, synthetics, artificials. We raise many of them here on our lovely farm along beautiful Penns Creek. Pennsylvania's most complete mill and store for whole, organic foods. And . . . we have opened a craft shop! Stop and see the many lovely hand-made items from our local area. We're open every day but Sunday and holidays, from 8 to 4:30 DST. We ship by mail too — just write for our list! WALNUT ACRES, Penns Creek, Penna. 17862

PIPE
Steel used No. 1 shape — 2, 3, 4, 6, 8 inch. Call 739-9040, Maryland Pipe, Box 394, Hagerstown, Md.

For Sale — Mushroom soil for your lawns, gardens, parks, and golf courses. Trailer loads delivered. Gap Newport Mushroom Farms, Inc., Avondale, Pa. Ph. AC 215-268-8808.

NATURAL
SOIL BUILDERS
All Grains Do Better With
CALPHOS
and
KAYLORITE
GREEN SAND
Available at
Brooklawn Farm
118 Kreider Ave.
Lancaster Ph. 569-1580

Large barn must be moved In very good condition. Call 215-268-2249.

For Sale — New 10 Key Adding Machine $69 95; 4-drawer filing Cabinet $29 95; 240 lb. fireproof Safe $89.95; Norelco Shaver $13 95, ½" Elec Drill $18 50. Check our discount prices on other merchandise Nolt's, along Ephrata-Rothsville road. Phone 859-1617.

Poultry & Supplies

For Sale — 1800 Keystone White Leghorn Pullets will be 20 weeks old Oct 21st Kegerreis Poultry Farm, Palmyra, Pa R D 2 Phone 838-1251

Famous CHIX-CINERATORS. Efficient disposal of dead chickens, turkeys or other small animals by cremation. 30 day guarantee or money refunded. Hiestand, Inc. Ph. 426-9301.

Now is the time to have your dairy barn or chicken house air conditioned by Vent-O-Matic. Control ventilation without drafts. All installation guaranteed. Also other used fans. Also Chore Time poultry equipment. Hiestand, Inc., Marietta R1, Ph. HA 6-9301.

Layers
Greider Leghorn Farms, Inc.
Phone 653-2455
MOUNT JOY R. 1, PA.

MISCELLANEOUS

Used, ¾-potato baskets in good condition. 15 cents, in quantity. Call, Glick, at 394-7861, or, 397-5644.

Livestock For Sale

For Sale — Leacock Yorkshires — Tested blood lines, Boars, all ages, and open Gilts. Leacock Yorkshire Farm, George E. Cogley, R. D. 1, Ronks, Pa , Ph. 768-3472.

For Sale — 2 cows, Holstein, 3rd calf and Guernsey, 1st calf. Blood tested, T. B. Accred. Also Caloric coal heater, automatic. Elmer Probst, R. D. 1, Drumore, Ph. Hensel 548-2731.

For Sale — Two mare ponies — 4-year old and 2-year old, one broke, one half broke $160 each. Two carts and harness go with ponies. Call: 626-5063.

Mail Box Market

For Sale — Used Frigidaire Refrigerator — 9 cu. ft Good running condition. Call 665-3766

For Sale — Kenmore 52000 BTU Oil Heater in good condition. Jonas K. Stoltzfus, Bartville, Pa

For Sale — 200 Gallon Mojonnier bulk Milk Tank with 2 hp Compressor. Call 872-5710.

GARBER
G-200
Leghorn Layers
a champion for INCOME combined with
EGG QUALITY
Day Old Chicks
and Started Pullets

FLORIN FARMS, INC.
R. D. 1, Mount Joy
653-9891

● Food Commission

(Continued from Page 1)

labor are subjects to be considered by the Commission at a hearing in the Senate Caucus Room, Washington, November 3 and 4 Sessions will begin at 9.30 a.m. each day, according to Commission Chairman Phil S Gibson

In announcing the names of organizations and individuals scheduled to testify at the November agricultural cooperation and bargaining hearing, Gibson said:

"Since last April the Commission has held nine public hearings in nine different cities on the marketing of various commodities. Our next two hearings are going to be concerned with the people at the beginning and at the end of the food marketing system —the producers and the consumers"

He added that he hoped witnesses from farm, cooperative, and bargaining organizations would draw upon their own experiences to tell the Commission at its November hearing. how their groups operate, how they have adapted to changing marketing conditions, what they have achieved, and what obstacles they foresee to greater achievements

Established by Congress in July 1964 as a temporary agency assigned to examine the marketing processes involved in getting farm products into the consumer's pantry, the Food Marketing Commission is to report on its study by July 1, 1966. In addition to public hearings, it is obtaining needed information through private interviews, staff research, questionnaires, and statistical studies by other government agencies.

Among witnesses thus far scheduled to appear at the hearing on agricultural cooperation and bargaining will be representatives of the National Council of Farmer Cooperatives, National Grange, National Farmers Union, American Farm Bureau Federation, and National Farmers Organization

Vintage Sales Stables, Inc.
Box 100
Paradise, Pa.
SPECIAL FALL FEEDER SALES
OCT. 29 - 7:00 p.m. — NOV. 19 - 7:00 p.m.
All weights and breeds
To consign cattle call: Area 717-442-4181
Kenneth E. Hershey, Mgr.

New Holland Sales Stables, Inc.
John H. Gingrich, Manager Phone (717) 354-2194
ANNUAL DAIRY COW SHOW & SALE
Wednesday, October 27th, 1965
Show Judging 10 A.M. — Sale 12:00 Noon
Show Cows Will Sell at 1:30 P.M.
This is an outstanding Dairy Show & Sale with more top dairy cows than at any other show in the East. Represented will be daughters from the best blood lines in the country.
The biggest and best we can produce — come and see!

Conservation Research Program To Improve Appalachia Economy

Ways of helping the 17 million people in the Appalachia region improve their economy through the best possible use of soil and water resources will be intensively investigated, says a U S Department of Agriculture announcement.

A research team of soil scientists and agricultural engineers from USDA's Agricultural Research Service the 12 Appalachian States, and other federal agencies will be based at the University of West Virginia at Morgantown and investigate problems peculiar to Appalachia — problems not being studied elsewhere They also will adapt information from research in other areas to solving problems in Appalachia, a region that covers 373 counties in the dozen States

Although the program covers a broad area the scientists have specific goals (1) providing more clean water for communities and for agriculture recreation and industrial uses by improving water storage facilities and by minimizing pollution and (2) developing soil and water conservation practices that will insure more efficient use of available water and reduce soil erosion losses.

The scientists will conduct other basic studies to determine how best to revitalize subsoils laid bare by erosion, strip mining or urbin development They also will study methods for improving vegetative cover in these critical areas

Funds for this work will come from monies appropriated by Congress to promote economic development of the Appalachia region

The work will be done in cooperation with agricultural experiment stations in Alabama Georgia Kentucky Maryland New York North Carolina Ohio Pennsylvania South Carolina Tennessee, Virginia and West Virginia

Cow's Ear Temperature Is Best Indicator Of Heat Effects On Body

ARS scientists "play it by ear" when they want to take a cow's temperature. They use a newly designed thermometer fitted into the animal's ear canal to help find reasons for reduced milk production during hot weather

Medical researchers have found the ear thermometer more reliable than the rectal thermometer to measure the effect of heat on humans ARS dairy husbandman A J Guidry and research dairy husbandman R E. McDowell thought the ear thermometer might be equally useful for related dairy cattle research

To adapt the ear thermometer to their needs, the scientists studied the cow's ear canal carefully and fashioned a flexible probe that reaches 4½ inches into her ear — within ⅛ inch of the ear drum, or tympanic membrane This explains the new tool's scientific name: tympanic thermometer.

The cows did not seem to mind the tympanic thermometer; once the thermometers were in place, they showed no sign of discomfort.

Closeness to the ear drum is a major advantage of the tympanic thermometer for heat-stress research. The ear drum provides the most practical approach from outside the body to the hypothalamus, the organ at the base of the brain where all body reactions to heat are believed to originate. When the barn temperature changes, the ear thermometer quickly shows the resultant change of temperature in the body to which the hypothalamus would respond.

During a recent test, tympanic thermometers remained in cows' ears for as long as 7 hours ARS technicians took ear temperature readings every 2 minutes while they cycled air temperature in the experimental barn from 65 degrees to 112 degrees F. and back to 65 degrees.

To the scientists' satisfaction, tympanic measurement sensed changes as minor as one-fiftieth of a degree Fahrenheit. Ear temperature proved to be highly responsive to changes of temperature in the barn and undisturbed by temperature fluctuations caused by passage of waste material. These temperature fluctuations distort prolonged readings made with a rectal thermometer.

Body temperature is, of course, only one of the reactions Guidry and McDowell measure when they increase the heat in the barn. They also check functions such as breathing, blood pressure, sweating, and digestion — in a continuing effort to discover ways to keep cows as productive as possible despite hot weather.

Milk Promotion Will Require 8 Million $ In '66

Next year, dairy farmers will invest a total of $8 2-million in the American Dairy Association's non-brand advertising, merchandising, research, and public relations program

A budget for that amount was approved by the Board of Directors of ADA at a recent meeting in Denver

Non-brand consumer advertising for milk and other dairy foods will take 71 percent of the budget The remainder will be used to finance ADA's research merchandising and public relations activities

Advertising for the various products is allocated according to milk producers' requests

In the ADA program dairy farmers invest two cents for each 100 pounds of milk marketed Part of the fund is used for in-state programs, the balance for the nationwide efforts

● Conservation Needs

(Continued from Page 1)

of the Department's study reported that 6 098 tracts of land in 66 counties will be examined The information gained will indicate the kind of treatment the land needs for conservation and improved use It will be available to local and state agencies planning groups land developers and other land users

This study M Keeve said will update the original Conservation Needs Inventory completed in Pennsylvania in 1959 A state committee will supervise the survey which will be carried out by local conservation needs committees organized in each of the counties

The survey is expected to be completed by 1967 and the information will be published and made available to interested people agencies, and organizations throughout the Commonwealth.

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